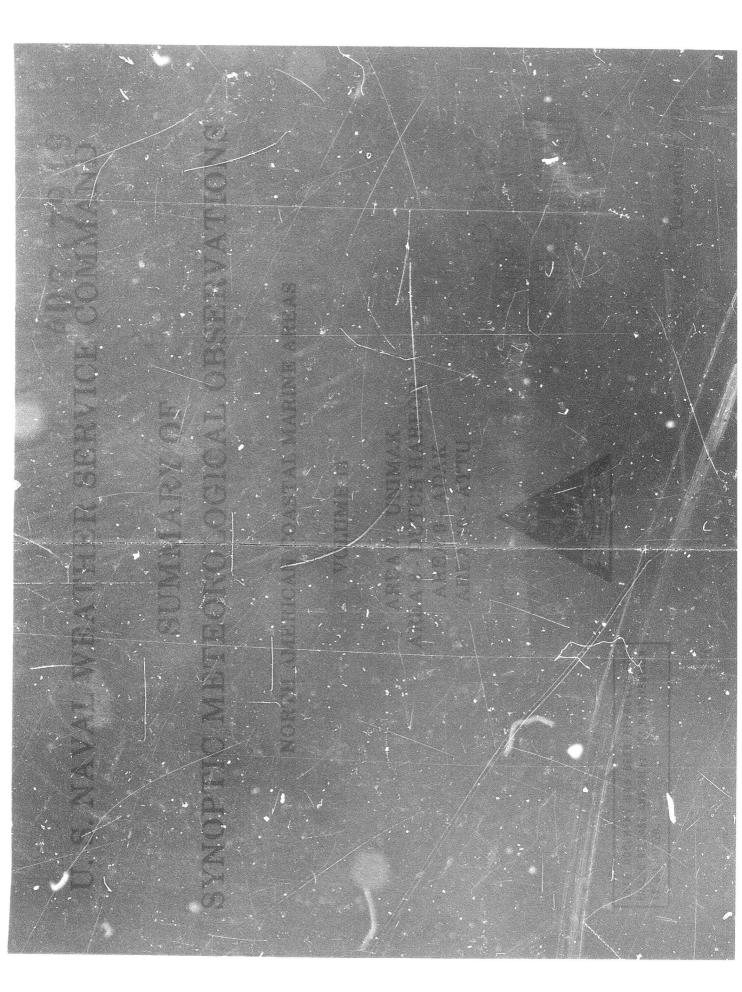
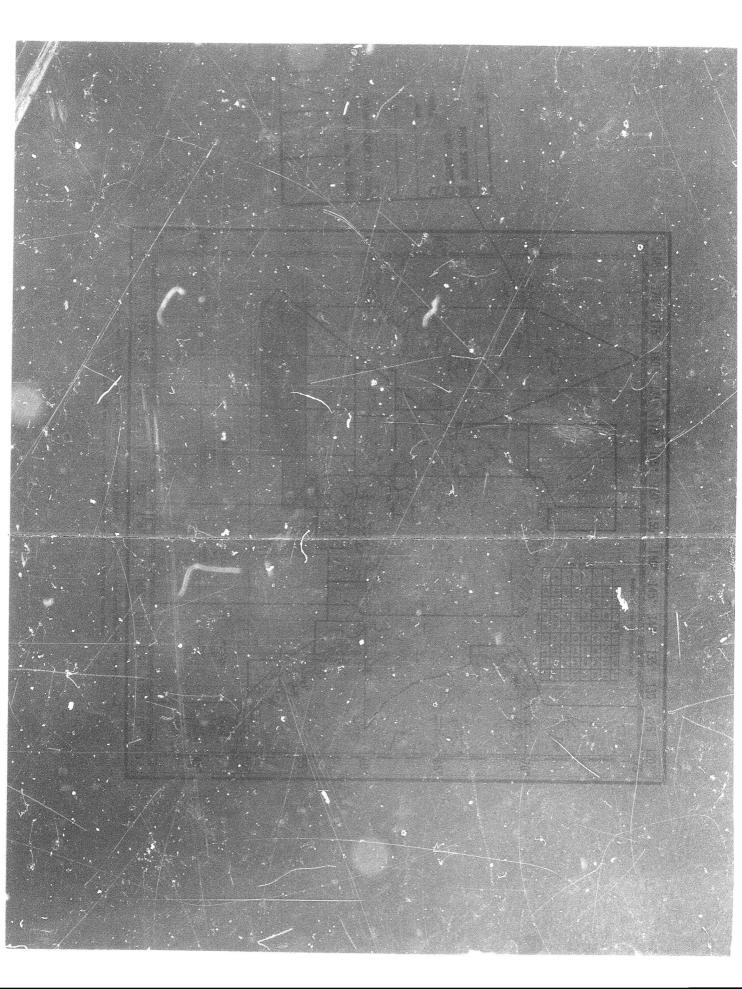
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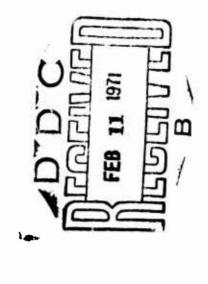
U. S. NAVAL WEATHER SERVICE COMMAND

SYNOPTIC METEOROLOGICAL OBSERVATIONS SUMMARY OF

NORTH AMERICAN COASTAL MARINE AREAS

VOLUME 13

AREA 7 - UNIMAK AREA 8 - DUTCH HARBOR AREA 9 - ADAK AREA 10 - ATTU





SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

The data contained in these tables were obtained from tape data Family II (TDF-11), Marine Surface observations. TDF-11 was primarily funded by the Naval Weather Service Command and selected by NWSED Asheville as the most comprehensive collection of marine surface observations from which to develop a series of coastal marine summaries. The source was punched cards of weather observations taken aboard vessels of varying registry. They were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible. Where this was not possible, the original data were retained within the tape record as supplemental data. A very limited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these data are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing our data toward good weather samples.

Because the number of observations may vary from one table to the other, no absolute relationship exists between the tables. As an example, air temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from source deck 128 only and the overall period indicates the period of record of this data source. The primary period for these tables is not shown.

THE TABLES

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and <.05. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

Tables I through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Table 1 - Percentage Frequency of Weather Occurence by Wind Direction (16 pts.). Table 2 - Percentage Frequency of Weather Occurrence by Hour (GMT).

Table 3 - Percentage Frequency of Wind Direction (16 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (16 pts.).

Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.

Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.

Table 5 - Percentage Frequency of Total Cloud Amount (Oktas) by Wind Direction (16 pts.). This table includes mean cloud amount by wind direction.

Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Wind Direction (16 pts.).

Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Nautical Miles).

Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present), and Percentage Frequency of Sky Obscured. Amounts are in Oktas.

Table 8 - Percentage Frequency of Wind Direction (16 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).

Table 9 - Percentage Frequency of Wind Direction (16 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Nautical Miles).

Table 10 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH <5/8 by Hour (GMT).

Table 11 - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).

Table 12 - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Ceiling Height (feet, NH > 4/8) by Hour (GMT).

Table 13 - Percentage Frequency of Relative Humidity (%) by Air Temperature (° F.).

Table 14 - Fercentage Frequency of Wind Direction (8 pts.) by Air Temperature (° F.).

Table 15 - Means, Extremes, and Percentiles of Air Temperature (° F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine data file. The Extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.

Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).

Table 17 - Percentage Frequency of Air Temperature (° F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (° F.).

Air-Sea Temperature Difference is:

Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table.

Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized. This table continues for 2-1/2 pages for each month and 2-1/2 pages for the annual summary.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

<u>Table 20</u> - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (° F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values with the corresponding dates of occurrence and percentile values.

Tables 1-19 appear together for each month and in the annual summary. The tollowing two tables appear at the end of the entire series for each area.

Note:

In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04 GMT are combined with data from 03 GMT.

Areas covered by the North American Coastal SSMO Volumes 1-10 are listed on the outside back cover.

	PAGE	1-158	159-316	317-474	475-632
CONTENTS	NAME	UNIMAK	DUTCH HARBOR	ADAK	ATTU
	AREA	7	œ	6	10

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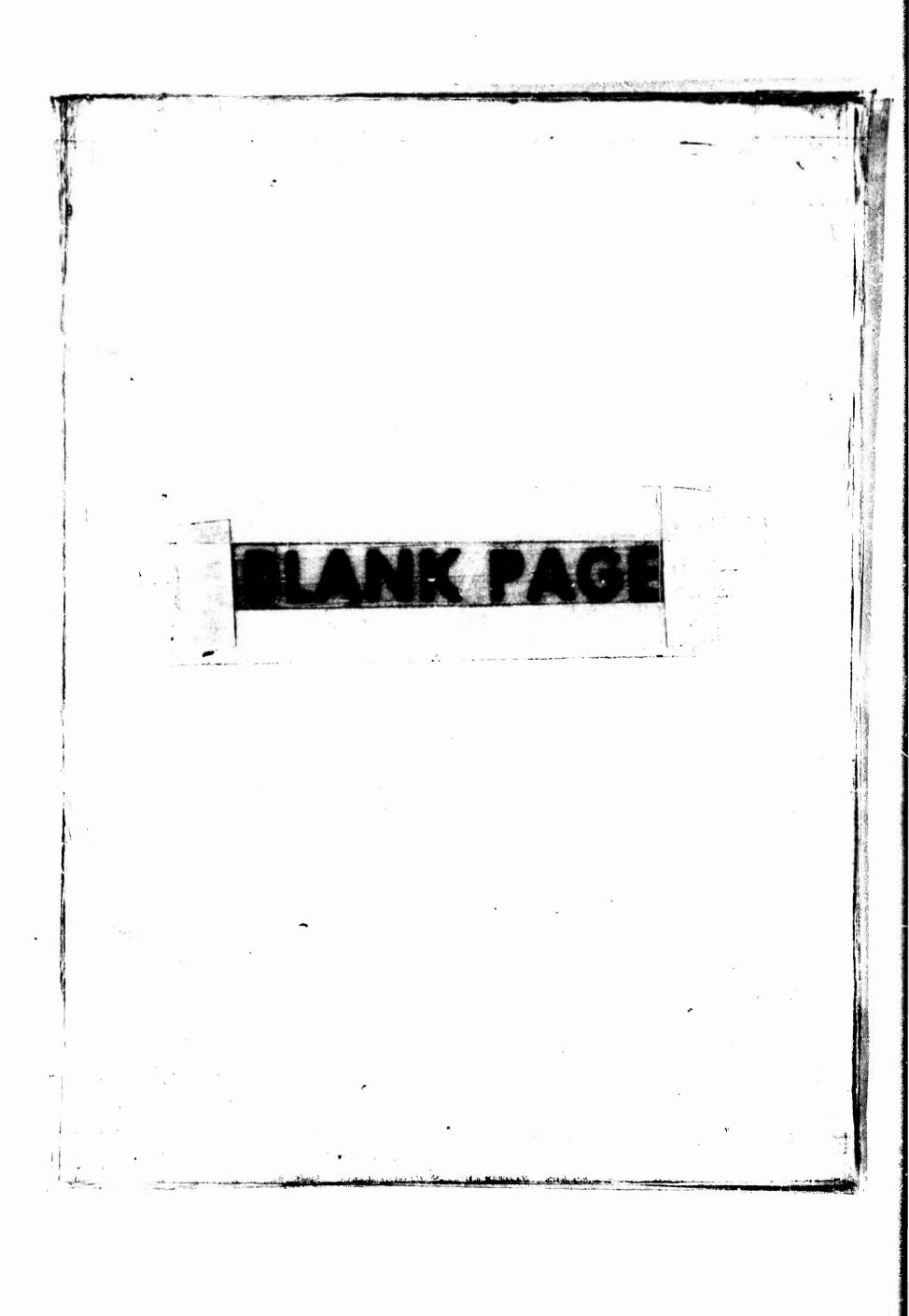
(

CODE 4677)	E INTERPRETATION	_		PRECI	5} SMORE HAZE	BLOWING DUST		NO SIGNIFICANT WEATHER AT OB TIME	NO PR	Q,		counted in two	(rain and hail); ghtning/thunder-	thunder/lightning/ thunder/lightning/
OMM	CODE	13,17 $95-99$	10-12)	40-4	04-05	60-90	90 - 09	00-03 $14-16$ $18-29$	(64-00	{ 66 - 09		were (59 (ra	93-94 der/1	and ti
PRESENT WEATHER (1960 WMO CODE 4677)	INTERPRETATION	- A		$80-82$, $(83-84)$ RAIN SHOWERS IF TEMP > 40° F)	DRIZZLE	FREEZING PRECIPITATION		SNOW	OTHER FROZEN PRECIPITATION	HAIL		The following WMO codes were counted in two weather categories. 58-59 (rain and drizzle):	68-69 (rain and snow); 93-94 (rain and hail); 96 and 99 (hail and thunder/lightning/thunder-	storm); 95 and 97 (snow and thunder/lightning, thunderstorm), or (rain and thunder/lightning, thunderstorm).
and	CODE	58-59 60-65	(68-69,95,97 IF TEMP >40°F)	80-82, (83-84 IF TEMP >40°F)	50-55,58-59}	56-57 66-67	70-75,85-86,	(68-69,83-84, 95,97 IF TEMP ≤40°F)	62-92	87-90 93-94 96,99		NOTE: The follower weather	bus 96 96 and	storm); thunder thunder
VISIBILITY (VV)	INTERPRETATION (NAUTICAL MILES)	VV<1/2	1/2 <u><</u> vv<1	1 <vv<2< td=""><td>2<vv<5< td=""><td>) - - - -</td><td>5<VV<10</td><td>10<u><</u>VV<25</td><td>>25</td><td>less than greater th</td><td>→ ○</td><td>greater than or equal to.</td><td></td><td></td></vv<5<></td></vv<2<>	2 <vv<5< td=""><td>) - - - -</td><td>5<VV<10</td><td>10<u><</u>VV<25</td><td>>25</td><td>less than greater th</td><td>→ ○</td><td>greater than or equal to.</td><td></td><td></td></vv<5<>) - - - -	5< V V< 1 0	10 <u><</u> VV<25	>25	less than greater th	→ ○	greater than or equal to.		
>	CODE	90-93	94	95	96	3	26	86	66	NOTE: <n< td=""><td>710</td><td>gre to.</td><td></td><td></td></n<>	710	gre to.		
NOI	32 POINTS	32,01 02,03	04,05 06,07	08,09	12.13	14,15	16,17 18,19	20,21 22,23	24,25 26,27	28,29 30,31		00		
WIND DIRECTION 16 POINTS	36 POINTS	35,36,01 02,03	04,05 06,07	08,09,10	13,14	15,16	17, 18, 19 $20, 21$	22,23 24,25	26,27,28 29,30	31,32 33,34	66	00		
CONVERSION OF TO 8 AND	16 POINTS	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	ENE ENE	ESE	SE	SSE	\ss \	MSM MSM	WNW WNW	NN NNM	VAR	CALM	TABLE	
CONV	8 POINTS	Z	Z	Ħ	ç	N A	Ø	S.	*	MN	VAR	CALM	VAR=VARIARIE	

Ļ

WAVE HEIGHT (from source decks 128 and 116)

AS RECORDED IN TABULATION (FEET)		49-60				61-70							71_86	3					>87	
RANGE (METERS)	to	>16.25 to 16.75 >16.75 to 17.25	to		18.25 to 18.75 to	> 19.25 to 19.75	20.25 to	>20.75 to 21.25)		21.25 to 21.	21.75 to 22.	>22.75 to 23.25	23.25 to	23.75 to	>24.25 to 24.75	to	25,75 to	,	>26.25 to 49.75}	Indeterminate=INDET
RECORDED CODE (HALF METERS)		0 0 0 0 0 4 1				39							47		4.0c				53-99	Indeter
AS RECORDED IN TABULATION (FEET)	20-22	23-25			26-32				33-40						41-48					
RANGE (METERS)	>5.75 to 6.25 >6.25 to 6.75	>6.75 to 7.25	to	to	>8.25 to 8.75 >8.75 to 9.25	to		>9.75 to 10.25	to	to.	to		ţ,	10	>13.25 to 13.75	to				
RECORDED CODE (HALF METERS)	13	4.	c T	16	17	19			22						28					
AS RECORDED IN TABULATION (FEET)	^1	1-2	3-4	1	9-0	7		8-9		,	10-11		12		(, , , , , , , , , , , , , , , , , , ,	13-16		47	67-77	
RANGE (METERS)	≤.25}	>.25 to .75)	>.75 to 1.25}		40.1. 01 02.1.	>1.75 to 2.25}))	>2.25 to 2.75}		+	/cz.20 to 3.25)		>3.25 to 3.75}		to	>4.25 to 4.75		>4.75 to 5.25	to	
RECORDED CODE (HALF METERS)	00	01	03	ć	03	04	l }	05		ç	8		20		90	60		10	11	



UNIMAK 157-165m	
AREA 0007 UNIMAK 53N-CDAST 157-165	ID DIRECTION
TABLE 1	PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION
1955-1970 1965-1970	
PERIOD: (PRIMARY) 1955-1970 (OVER-ALL) 1965-1970	

	TOTAL		77	38	44	41	101	64	61	34	69	30	77	44	73	65	64	59	0	87	906	100.0
ENA	ND S I G	WEA	7.3	3.6	4.0	3.0	6.1	5.9	3.6	2.2	5.7	5.6	4.2	4.0	7.2	6.3	4.4	5.8	•	3.0	688	4.67
HER PHENDMENA	DUST BLWG DUST	BLWG SNUW	•	•	•	•	•	•	•	°	•	°.	•	•	•	•	•		•	0.	-	
R WEAT	FOG SMOKE		•	•	•	•	•	•	7	•	•	-:	7.	•	•	•	•	•	•	•	4	4.
OTHE	50.5	PCPN	7	-:	9.	•	1:1	6.	6.	~		7	•1	7	:	.1	•	•	•	•	48	5.3
	THDR		•	0.	•	•	•	•	•	•	•	•	•	•	•	•	0.	0.	•	0.	0	•
	TOTAL PCPN	0 8 S	10	4	n	0	36	15	19	12	14	4	n	7	7	7	0	2	0	-	165	
	PCT FREQ PCPN AT	UB TIME	1.1	4.	• 3	1.0	0.4	1.7	2.1	1.3	1.5	4.	.3	80	80	₩.	1.0	9.	•	• 1		18.2
	HAIL		•	•	•	•	•		9	•	•	•	•	•	•	•	7.	•	•	•	7	• 5
TYPE	OTHER FRZN	PCPN	7	•	•	•	•1	•	•	•	•	•	•	-:	0	•	•	7	•	•	4	4.
TATION	NONS		80	.2		٣.	5.	•	.2	.2	•5	•	0.	6	•	.7	.7	6	ે	•	25	2.1
PRECIPI	FRZG PCPN		•	•	•	•	•	0.	•	•	•	o.	•	•	•	٥.	•	•	•	•	0	•
۵	DRZL		•	٦.	٦.	٦.	1.0	6.	1:1	80	9.	-1	.2	.2	•		•		•	٦.	20	5.5
	SHER		₹.	•	•	•	-:	7	•	•	.2	•	0	•	.1	-	•	•	•	•	7	φ.
	RAIN		•5	•1	:	æ	2.1	.7	₩.	4.	.7	•5	• 5	•1	• 5	• 1	• 5	•		•	63	7.0
	WND DIR		z	NNE	Ä	ENE	w	ESE	SE	SSE	S	NSS	N.S.	ESE	*	ZZZ	Z	Z	VAR	CALM	TOT OBS	TOT PCT

TABLE 2

HOUR
B¥
OCCURRENCE
WEATHER
8
FREQUENCY
PERCENTAGE

	TOTAL		229	225	223	927	000
A N U	ND SIG WEA	77.2	74.7	79.1	74.0	707	76 3
ביים סאביים	FOG SMOKE DUST NO HAZE BLWG DUST SIG	•	•	•	4.	-1	-
A DE A	SMOKE	8	6.	•	•	4	4
HEO	2	5.2	4.4	6.4	7.2	20	4
	THDR	•	0.	•	•	0	•
	TOTAL PCPN 08S	42	46	36	41	165	
	PCT FREQ PCPN AT OB TIME	16.8					
	HAIL	•	4.	•	4.	7	-
TYPE	DTHER FRZN PCPN			•			
TATION	MONS	5.6	6.1	6.4	5.8	25	5.6
RECIPI	PCPN SNOW DT	•	•	•	•	0	0
۵	DRZL	7.2	2.5	6.4	4.0	20	5.4
	RAIN	•	4.	4.	2.2	_	80
	RAIN	0.9	8.3	6.2	6.7	63	6.8
	HOUR (GMT)	60300	60390	12615	18621	101	PCT

JANUARY

		21	12.2	2.4	12.2 7.3	9.8	8.6	4.0	. 0.	5.4	8.6	0.0	, 0	0	41	8			
		18	2.5	5.0	5.1	0.4	7.2	4.4	4	7.6	5.1	0.0		1.7	237	100001		21	
UNIMAK 157-165W		15	11.5	m m	~ ~	"	11	17	- 10	m	15	M (0			100		18	2.2 17 11.4 7 55.2 19 11.4 12 9.3 19 9.8 12 9.5 9 11.7 0 0.0 100
		IR (GMT	8.3	0 M	20.0	w r	-	4 :	- (1)	10	4	91		n	7	100		15	15.4 111.5 111.5 123.1 111.5 19.2 10.0 26 00.0
AREA 0007 53N-CDAST		HBUR 6 09	7.7		~ w		-	<u> </u>	-		9	=				100.0		(GMT) 12	00000000000000000000000000000000000000
4.01	HOUR	80	1 11.5	• w	11	æ r	ייי	~ ~	טיט	7	•	ς,	0	C	2	0 100.0		HDUR CC	11.5 1 15.4 11.5 1 19.2 1 19.8 1 11.5 1 11.5 1 11.5 1
	AND BY	00	.8 7.1	14	mr	14	7	"	n m	7	7				4	0 100.		90	1116.2 1119.8 1119.8 1119.8 1119.8 1119.8
	SPEED A	0	0.4	ค์ ๑๋	5.	œ m	7.	,	4	•	11.	•	•	6	7	100.		03	14.3 17.9 10.7 14.3 7.1 7.1 14.3 14.3 10.0
	β																	00	14.0 9.1 15.9 11.7 9.5 6.8 18.2 11.4 11.4
m	DIRECTION	MEAN	21.0	19.0	00	8	-	8	ጋው	8	┥.	4 1	*		19.5		3.A		
TABLE	OF WIND	PCT	8.4	6.4	4.9	9.9	7.0	w 4	4.6	7.8	6.7	2.4		2.5		100.0	TABLE	MEAN	15.6 17.7 17.7 19.1 19.2 19.2 19.2 19.2
	FREQUENCY O	TUTAL 085	109	n n		81 40	00		51	00	83	69	0	7	1112			PCT FREQ	14.2 15.0 10.9 10.9 10.3 10.3 115.1 12.2 2.5
		+8+	60	o o	0.7	• -	.5	•	0	•	o,	7.	0		12	1:1		TOTAL OBS	158 116 116 1121 115 103 136 136 1112
	PERCENTAGE	34-47	1.1	7 80	. 4				*	•	1.2	•	• •		-	10.1		+1+	7.74
970	PE	ED (KNDTS) 22-33 34	3.1	1.2	1.3	9.0	1.3	. 0	1.4			* -			287	25.8		(KNDTS) 28-40	200 081 100 081 100 081
1955-1970 1905-1970		IND SPEE 11-21	2.8	1.40	2.0	2.5	3.7	7.2	1.6	1.7	3.1	0 0	• •		4	36.7		SPEED 17-27	400000040 mo
(PRIMARY) (OVER-ALL)		4-10	1.5	1.6	1.0	7.4	1.7	9,6	1.0	2.8	1.2	200	0	- 1	N	•		WIND 7-16	44848898
		6-0	77.0	2.7.	::	-:0	0.0	• •	: :	•		- 0	•	2.5	n	4.6		9-0	401044000001
PER1001		WND DIR	Z Z Z	S S I	ES E	SSE	S	N N	E SE	3	ZZ	2 Z	VAR	CALM	TOT 085	7 TU		WND DIR	N N N N N N N N N N N N N N N N N N N

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UNIMAK 157-165¥								
AREA 0007 53N-COAST								
		TOTAL OBS	292	286	256	278	1112	
	(GMT)	PCT FREQ	100.0	100.0	100.0	5 100.0		100.0
	Y HOUR	MEAN	19	19.	19	18.	19.	
	PEED B	CALM	3.1	2.8	2.7	1.4	28	2.5
TABLE 4	S QNIM	(NDTS)	1.4	.7	1.2	1.1	12	1.1
·	ICY OF	PEED (1	8.9	11.5	10.2	4.6	112	10.1
	FREQUEN	WIND SPEED (KNDTS) 22-33 34-47 48+	29.8	26.9	25.8	20.5	287	25.8
	PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)	11-21	32.5	34.3	40.6	39.9	408	36.7
	PER	1-3 4-10	24.0	23.4	17.6	26.3	255	55.9
0.0		1-3		6	5.0	1.1	10	•
PERIOD: (PRIMARY) 1955-1970 (OVER-ALL) 1905-1970		HDUR	60300	60390	12615	18621	TOT	PCT
PER I OD :								

			TOTAL OBS	79	38	04	38	90	41	46	59	58	56	36	04	65	6.9	52	09	0	26	833	100.0
	(8/4)		NH <5/8	4.2	2.2	1.8		1.6	٠.	.7	1.0	1.3	1.2	1.9	2.3	3.8	3.5	2.0	3.7	•	1.8	286	34.3
	A HN S	NO	8000+	•	•	0.	•1	4.	•	0	•	4.	•	•	•		•	•2	•	•	0	10	1.2
	HEIGHTS (FT.NH >4/8)	DIRECTION	6500 B	0		٠,	•	•	•	•1	•	•	•	0	•		•	•	•	•	•	4	••
	6 HEIG	MIND	5000	•	0	0	•	•	•	•	•	•	•	•	• 5	•2	0	0	•	•	•	4	3.
	CEILIN	<5/8 BY	3500	٠,	7	٦.	7	•	•	4.	•	۲.	۲.	٠.	-:	•	٥.	۲.	•	•	۲.	17	2.0
TABLE 6	FREQUENCY OF CEILING	I	2000	2.3	œ.		.7	2.5	1.2	۲.	4.	1.6	4	ŗ.	.7	6 0	1.0	4.	.7	•	1.0	136	16.3
TA	REQUEN	ENCE UF	1000	1.7	1.0	10	1.7	1.8	1:1	1.7	1.2	2.3		•	1.2	1.7	2.3	1.8	1.7	•	•2	194	23.3
		OCCURRENCE	666 666	7.		9.	• 5	1.7	1.0		4.	60	9.	4.	7.	9.	1.0	1.0		•	•	88	10.6
	PERCENTAGE	AND	300	.2	7.	4.	0	5.	5	s.	•5	۲.		• 5	•	•	•	•1	•	•	•	25	3.0
	_		150	1.	.1	~	4.		•	-	•	0.	0	•	۲.	•	•	.2	•	•	o.	91	1.9
			000	٠.	0.	٠.	٠.	1.7	.7	9.	4.	4.	•	4.	•	4.	•1	4.	4.	0.	•	53	4.9
	TDTAL CLOUD AMOUNT (EIGHTHS)	: :	GLOUD COVER	5.0	4.7	5.6	6.8	7.1	7.5	6.9	7.1	9.9	5.3	5.0	9.6	5.2	5.4	5.6	20.	0.	4.2	5.8	
	10UNT (LION	TOTAL OBS	4	38	40	38	90	41	46	59	28	56	36	40	65	69	55	90	0	97	833	100.0
TABLE 5	OUD AP	WIND DIRECTION	8 £	2.2	1.3	2.0	5.9	8.2	4.1	3.5	5.6	3.4	•	0.1	1.7	•	•	2°0	•	•	æ.	5	45.0
TAE	TAL CI		5-7	3.7	1.3	1.2	1.2	1.4	9	1.4	-:	2.8	1.3	1.8	1.7	•	•	2.5		0	9.	256	30.7
	ņ	BY	3-4	1.1	•	no ·	• 5	4	-	4		4.	1.0	5	1.0	1.6	1.4	٠. ا	1.2	•	•	0	12.6
	T FREQ		0-5	2.5	1.3		2	φ.	-	.2	0	٠.	.2	1:1	٠.	1.3	•	•	8.1	•	Φ,	122	14.0
	PCT		WND DIR	z	NZ.	w i	ENE	ய	ESE	SE	SSE	S	SSM	3	E CO	3	Z	2	Z	VAR	CALM	TOT 085	0 .

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JANUARY

53N-C0AS: 157-165W TABLE 7 PERIOD: (PRIMARY) 1955-1970 (OVER-ALL) 1903-1970

CUMULATIVE PCT FREQ OF SIMULTANEGUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

	08	<u>×</u>	1.7			20.7	6 6	1.45	27.1	59.0	65.5	553
	• OR	>50YD	1.7	2-1		20.7	4	56.1	57.5	59.0	65.3	551
	08	>1/4	1.7	2.1	6.4	20.7	43.8	54.1	57.1	26.0	64.7	546
_	08	>1/2	1.7	2.1	4.3	20.7	43.8	54.0	56.9	56.8	62.4	527
VSBY (NM	. OR	7	1.7	2.1	4.3	20.7	43.4	53.4	56.3	58.1	61.3	517
	R	>5	1.5	2.0	4.1	20.5	42.3	51.5	54.1	55.1	57.5	485
	* O *	\$	1.5	2.0	4.0	18.0	37.4	46.1	48.2	4B.8	50.2	454
	P.O.R.	>10	1.5	1.9	3.9	12.7	24.8	28.4	29.4	29.4	59.6	250
	CEILING	(FEET)	- DR >6500	■ DR >5000	- OR >3500	■ DR >2000	■ DR >1000	■ DR >600	■ OR >300	- OR >150	- OR > 0	TOTAL

PCT FREG NH <5/8: 844 TOTAL NUMBER OF OBS:

34.3

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS) TABLE 7A

168 FOTAL B OBSCD OBS 4.9 8.9 32.7 7.4 10.4 ø 5 7.9 7.1 8.0 3.5 7.9 0

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AREA 0007 UNIMAK 53N-CDAST 157-165W
TABLE 8
1955-1970 3 1905-1970
PERIOD: (PRIMARY) (OVER-ALL)

#|I

	PCT	2.4	1.4	2.7	6.1 4.7 10.8	7.0 21.6 28.6	1.2 50.2 51.4	100.0
	TOTAL	27.0	5 8 1	24 18 42	52 45 75	63 195 258	111 453 464	905
	CALH	000	•••	500	1.01	01.0	2.3	28
7	VAR	000	000	•••	000	•••	000	00
ITAT I OI	N.	v.w	000	0	. 4 w	1.2	3.0	59
PRECIPITATION	2	000	000	 	1.0.1	1.0	3.4 3.4	48
4	N	000	000	.0.1	400	1.d	1.4	65
URRENC	*		000	000	0,70	2.1		73
OR NON OCCURRENCE VISIBILITY	MSH	70-	1.01	000	444	1.6 1.6 15	2.3	44
	SW	0.1.1	•••	•••	0 4 4	1.0	3.1	44.0
OCCURRENCE	ASS	•••		71.7	77.7		1.6	30
VS DCC	S	0,40	. 25.	.01	4 4 9	1.7	3.7 3.3	68
DIRECTION VS OC WITH VARYING	SSE	7.72	0.1.1		400	440	1.1	34
O DIRE	SE	0.01	000	4.1.w	. w. m	1.3	2.1	6.8
OF WIND	ESE	1.26	51.5		1.1	4. 1.1 14	0.00	48 5.3
FREQ	ш		0.1.1	1.1	1.9	2.5	2.8	100
PERCENT FREQ	ENE	0,4,0	444	-iu-4	4.4.	6.6	1.8	4.5
۵	Ä	9:1	1.0			1001	2.8	4.00
	NNE	000	000	12.6	101	44.0	3.1	38
	z	000	000	200	404	1.9	5.5 8.5	78
		PCP NO PCP TOTAL	PCP ND PCP TOTAL	TOTAL PCT				
	VSBY	<1/2	1/2<1	142	2<5	5<10	10+	

	0
	TABLE 9
1955-1970	1905-1970
PERIOD: (PRIMARY) 1955-1970	(BVER-ALL)
PERI	

		PCT	2.09.70	04797	- N N + O	1446	4.5 9.2 9.2 27.2	2.4 15.5 20.5 16.7 55.1	0.00
		TOTAL	0 10 111 25	1372	4 0 1 m	17 50 41 109	50 101 140 100 100	27 171 226 184 608	1103 1
		CALM	• •	• •	• •	7	iu o	1.9	2.5
5 k		VAR	00000	00000	00000	00000	00000	00000	00
UNIMAK 157-165k		Z	0000	00000	000.	0		2.1	73
AREA 0007 53N-CDAST		Z	000.77	00000	00077	00077	.0 .0 .0 .8 1.2	1.0 1.0 1.5 36	61
AREA 53N=(۵	Z	00000	00000	00000	0001-6	 10 21	1.1 1.9 1.9 1.9	31
	D SPEE TY	3	00011	00000	00110	01000	20.000	33 4 11 1 2 3	7.9
	VS WIND SPEED	MSM	00-0-	0.0001	00000	ว่อนี้เก็พ	11469	0 00 0, 00 00	51
	CTION OF VI	NS	00-10-	00000	00000	ō444w	0,4,0,4	0.00	50
6	FREG OF WIND DIRECTION TH VARYING VALUES OF V	MSS	00000	00000	00110	00000	0-440	1.0	36 3•3
TABLE	DF WIN	S	00110	00000	00077	00,000	2,50	0.11.0	77
	_	SSE	01010	00011	0-0-4	04440	00952	1.00	3.6
	PERCENT	SE	onmon	00000	00,000	04441	1.0	30.15	81
	α.	ESE	00044	90110	10214	0 6 7 7 6	00000	04420	53
		w	040 00	0.1001	1.0	26.00.2	1.1	1.00	112
		ENE	01100	00110	00000	04440	0440	30	57
1970 1970		N E	00-0-	000.	00011	0-1-4-1-10	0,0,0,0,7	9.1.0	58
195>-1970 1905-1970		NNE	00000	00000	01114	01107	21268	0.0.1	4.4
(PRIMARY) (GVER-ALI.)		z	00000	00000	00000	00442	1.0	2.0	9.9
		SPD KTS	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 111-21 22+ TOTAL	0-3 4-10 111-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	PCT
PERIODS		VSBY		1/2<1 4	142 4	26.5	5<10 4	10+	-

UNIMAK 157-165#		TOTAL OBS	237	214	206	208	100.0
AREA 0007 53N-COAST	9	NH <5/8 ANY HGT	35.4	33.2	36.9	35.6	305
ARE	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	9.49	66.8	63.1	4.49	560
	EET, NH OUR	8000	1.3	6.	1.0	1.4	10
	1TS (F	6500	0.	6.	.5	5.	4 10
10	ENCY OF CEILING HEIGHTS (FEET. OCCURRENCE OF NH <5/8 BY HOUR	6679	٠.	6.	•	•	4 10
TABLE 10	CE 11 IN	3500	3.8	1.9	1.0	1.4	18
	CY OF CURREN	2000	19.4	16.8	15.5	13.0	141 16.3
	REQUEN DC	1000	7.2 21.1	50.6	10.7 25.7	13.0 23.1	195 22.5
	ENT FI	009	7.2	10.3	10.7		88 10.2
	PEP(300	4.2	2.8	1.5	5.9	25
		150 299		3.3	1.0	5.4	16 1.8
970 970		000	5.9	8.4	6.3	1.9	59
1955-1 1905-1		HOUR (GMT)	50503	60390	12615	18621	T0T PCT
PERIOD: (PRIMARY) 1955-1970 (OVER-ALL) 1905-1970				J			
PER 100 :							

	AND/OR	TOTAL 08S	233	509	200	202	844
	CUMULATIVE PCT FREG OF RANGES OF VSBY (NH) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	<pre><600 <1000 1000+ NH <5/8 <1 <5 AND5+ AND 5+</pre>	34.3	32.5	36.0	32.7	286
7	ES OF V	1000+ AND5+	40.3	37.8	37.5	33.7	316
TABLE 12	OF RANG	<1000	25.3	29.7	26.5	12.9 33.7	103 242
	FREQ G HGT	6 00 4 1	12.0	14.8	9.0 26.5	12.9	103
	IVE PCT CEILIN	<150 <50YD	5.6 12.0 25.3	7.7 14.8 29.7	0.9	6.9	55
	CUMULAT	HOUR (GMT)	60300	60390	12615	18521	T0T PCT
		TOTAL OBS	233	209	200	202	844
	Y HOUR	10+	62.7	26.3 56.9	58.0	55.9	216 494 25.6 58.5
-	(NM)	5<10	21.0 62.7	26.3	28.5	27.2 55.9	216
TABLE 11	CY VSBY	572	5.6	7.7	8.5	8.9	49
	FREQUEN	142	5.2	5.3	2.0	3.0	33
	PERCENT FREQUENCY VSBY (NM) BY HDUR	1/2<1	1.7	٠,	ň	2.0	10
	•	<1/2	3.9	3,3	5.5	3.0	3.2
		HOUR (GMT)	£0300	60390	12615	18621	10; PC1

AREA 0007 UNIMAK 53N-CDAST 157-165W

1955-1970	1905-1970
(PRIMARY)	(UVFR-ALL)
PER I DO :	

1955-1970	1905-1970
(PRIMARY)	(OVER-ALL)
PER 1001	

		CALM	0.				0	0	0	•	6.
	đ.	VAR	0	0		•	0	0	0	0	•
	BY TEMP	ž	•	3	6.3	3.9	2.1	1.3	.3	78	12.3
	PERCENT FREQUENCY OF WIND DIRECTION	*	6	6.3	7.9	3.8	•	6	7	114	18.0
14	ND DIR	S	•	2.2	6.2	1:	•	•	•	9	9.5
TABLE 14	/ UF W	s	.2	3.2	6.9	•	•	•	•	79	9.8
	POUENCY	SE		4.7	4.6		•	•	•	63	6.6
	ENT FRE	w	1.1	3.9	5.2	6	.2	.2	•	73	11.5
	PERCI	Ä	.3	1.6	5.5	2.8	٠,	£.	•	69	10.9
		z	•	2.2	0.9	5.8	2.1	1.1	°.	109	17.2
	į	FREQ	2.2	22.6	46.8	18.9	5.5	3.8	٠.	0.001	
		088	14								
	TEMP	001-06	•	7.9	20.5	6.8	2.2	2.2	•5	257	40.5
	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100	٥.	5.8	14.7	7.3	1.3	٠.	.3	195	30.8
	HUMID	61-01	.3	5.7	6.8	2.8	1.4	1:1	•	115	18.1
ABLE 13	LATIVE	69-09	•2	5.4	3.6	1.6	€.	•	•	51	0.0
7	GF RE	80-28	°.	.2	1.1	ŗ.	•	•	0	Ξ'	1.7
	QUENCY	65-05	•	Š	•5	•	•	•	•	*	•
	NT FRE	30-39	•	•5	•	•	•	•	•	-	2
	PERCE	0-29	•	•	•	•	•	•	0	0	•
		TEMP F	45/49	44/05	35/36	30/34	52/52	50/54	15/19	TOTAL	L)d

		TOTAL	167	164	143	161	635
	HOUR	HEAN	94	90	48	85	82
	DITY BY	90	37.1	45.7	33.6	45.3	258
16	RELATIVE HUMIDITY BY	80-89	31.1	26.2	41.3	25.5	195
TABLE 16	RELATI	10-79	18.6	20.7	11.2	21.1	115
	ENCY OF	69-09	11.4	5.9	9.8	5.6	51
	PERCENT FREQUENCY OF	30-59	1.8	1.8	4.2	2.5	16
	PERCEN	0-29	•	•	•	°	0
		HOUR (GMT)	60300	60390	12615	18621	TOT
	HOUR	TOTAL OBS	291	285	259	282	1117
	PERCENTILES OF TEMP (DEG F) BY	IEAN					
	19 (DEG	Z	11	16	1,	14	14
	OF TEN	**	18	18	12	91	17
15	NTILES	5x	52	54	22	22	23
TABLE 15	PERCE	20%	38	37	37	37	37
	S AND	958	43	43	41	43	24
	XTREME	3 66	40	4 5	4		4
	MEANS, EXTREMES AND	MAX	47	•	Ç.	-	*
		(GMT)	00603	60390	12215	18221	101

PERIOD: (PRIMARY) 1955-1970 TABLE (OVER-ALL) 1905-1970

TABLE 17 53N-CDAST 157-165W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

F06	142	0409	1.0 0.7 0.6	1.00	6000	2.6 1.8 1.1 7.6 7.86
F06						00000
T0T	-m2	8 11 14 80 80 80	80 80 70 80	16.0%	25 1 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	22 15 9 2 834 100.0
4 4 8	7.7.	4.00-	2000	0000	0000	000000
14	000	2117	6.11		0000	9.0002
37	007	2.70	7.2	1.1	•0	351 42.1
99						234 28.1
32	000	• • • •	0000	447.0	9 6 6 6 6 6	000076
25	000		••••	0000	7000	e 40040
21	000	0000	0000	3000	00-1	1.0 .2 22 22 26
17 20	000	0000	••••	0000	2007	.5 .8 16 1.9
13	000	0000	0000	0000	0000	440000
AIR-SEA TMP DIF	9/10 7/8 6	U 4. W C1	-017	44.0	-7/-8 -9/-10 -11/-13 -14/-16	-17/-19 -20/-22 -23/-25 -26/-30 TDTAL PCT

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	5 tr		TOTAL		7	2	•	*	0	-	~	~ (00	0	• 0	0	0	0	0	0	0	7	7.0	- 1	I U I AL	•	• 0	11	7	~	-	0	>	o c	• c	•	• •	0	0	0	0	0 [9.5	
744	157-16		+84	•		•	•	•	•	0.	•		o c						•	•	0	0	•		† C		•		0	•	•	0	•	•			9	•	•	•		0	•	
	SN-CDAST	FT.)	NE 34-47	•	•	•	•5	•	၁	٥.	•	7.	•	9 0	0	0	•	•	•	•	<u>ء</u> ﴿	7	5.		t t	•	•	0	•	•	•	•	•	•	9	0	0	•	•	0	•	•	•	
	53K	HEIGHTS (, 0		٠.			c.						9				•	•	٥١		1.7						5		.2	o (••	1.2	
		SEA HEI	11-21			1.7	•	٠.	•	•	•	•	•	•		0	•	•	•	·	• :	-	3.5		17-11	•	200	•	•	•5	•		•	•	•	0	0			•	•	• (6 68	
		VERSUS	01-4		٠.	.2	0	•	•	°.	•	•	0	9	0	•	•	•	•	•	•		1.5	-	07-	•	• •	2	•	•	•	o ·	•	•	9 0	9	•	•	•	0	•	o, I	1.7	
-	18	IRECTION	1-3	0					•					20		•		•	•	0	o o	>	•				9	•			•			•						0	• ·	9 (9 0	
240245	TABLE	(KTS) AND DI	TOTA	0	~	∞	®	S	'n	7	7	~ (7 -	۰ ۵	0	• •	0	0	0	0	0 ;	•	10.4	è	10.	? <	9	10	'n	∞	11	4 (v c	-	. 0	0	0	0	0	0	0 (o ;	18.9	
		SPEED (40	0	•	•	•	°.	•	o.	•	•		•				•	0	o.	• ·	>	•			2	•	•	•	•	•	• (•		0	•	•	•	°.	•	•	•	→ ~;	
		OF WIND	1.4-98	•	•		• 2	N.								•	•	•	•	•	•		1.2	7		•			•		٠.											•	, i	
		FRED	22-3										~ <								0.5	→		,	66-33	•		1.0	•	•	2.0	- •	•				0	•	•	0	.) c	5.5	
	0	PCT	11-21	,		1.2		'n	.7	•	•	0	• •		0	•	•	•	•	•	• :	•	3.5	-	17-11		• •			.7				? ?		•							7.0	
	1963-1970		4-10		2.2		2.	.2	•	•	•	•	•	•	0	•	•	•	•	•	0,5	-	3.2	-	2.0	•	• •	•	•		o.	, c	•	•	•	0	0						5.7	
	-4LL)		1-3										•			•		•		•		>	•				•	•	•	•	0.		•		0	0	•	•					ò	
-	(0VE		HGH	7	1-2	3-6	2-6	7	8	1	15	3-1	20-22	3-2	6-3	3-4	1-4	9-6	1-7	1-8	+181+	5	U		2 7	• 1	7 - E	ŧ	~	8-9		77	1	0-2	3-2	6-3	3-4	41-48	9-6	1-7	2 1		PCT	

TABLE 18

AREA 0007 UNIMAK 53N-COAST 157-165W

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

		CRAND TUTAL TAAN 1 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
April 24 4 4 0 4 0 4 1 1 0 0	12.4	101AL 8000000000000000000000000000000000000
+000000000000	0000000	• • • • • • • • • • • • • • • • • • • •
74 74 000000000000000000000000000000000	200000Nn	# 1 2 3 4 4 5 6 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
M 00 W W W V W 0 V 0 V 0 0 0		22-33 2-30 2-30 2-30 2-30 2-30 2-30 2-30
11-21	22.000000000000000000000000000000000000	11-21
114 0 1 1 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		
400000000000000000000000000000000000000	0000000	
14 14 14 16 16 16 16 16 16 16 16 16 16 16 16 16	12.4 000000000000000000000000000000000000	101AL 201 200 200 200 200 200 200 200 200 200
+00000000000000		• • • • • • • • • • • • • • • • • • • •
700000000000000000000000000000000000000	• • • • •	, 000000000000000000000000000000000000
22-33 22-33 10-2 10-2 10-2 10-2 10-3		2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1202777 20000000	00000077	22.000000000000000000000000000000000000
1 0'rwo'no oo oo oo oo		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
400000000000000000000000000000000000000		
H 11-1 10-11 10-11 11-16 11-16 11-16 11-16 11-19	41-46 49-46 71-70 71-86 107AL	101 101 101 101 101 101 101 101 101 101

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TABLE 18 (CONT)

UNIMAK	MCOT
AREA 0007	ってはロントとうへ

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	TOTAL OBS	1	84	105	Ø	40	38	28	13	14	4	4	~	0	0	0	0	0	9	0	423	100,0
(FT)	484	•	•	•	٥.	•	.	0.	0	~	•	၁	•	•	•	•	•	•	•	0.	7	•5
HE I GHT	34-47			•				.7		1.9		•2			•	•	•	•			56	
VS SEA	22-33	۰.	•	•	3.5		•	•	•	6.	.2	•2	°.	•	•	°.	0	۰.	•	•	105	24.8
(KTS)	11-21	•	•	•		•	•	.7	.5	.2	.2		•	•	•	•	•	•	•	•	•	38.8
SPEED	4-10		•		•	.2	i,				•	•	•	•	•	•	•	•	•		105	24.8
MIND	6-0	5.0	•	.2	•	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	22	5.5
	нст	₽		3-4	2-6	_		10-11		9	7	6	6	å	۳	4	6	61-70	4	~	TOTAL	PCT

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

49-60 61-70 71-86 00000000 000000000 13-16 17-19 20-22 23-25 26-32 33-40 41-48 00000000 00000000 0000000 000000070 000000042 44000000 W 100000000 10 8-9 10-11 5.0 3.8 2.5 3.5 2.9 2.7 2.5 2.7 2.0 .0 68 44 14.4 6.0 100 100 100 100

2.3 2.3 .0 .0 .0 10.7 13.1

SEC.) (SEC.) (SEC.) (6-7 (8-9 10-11 12-13 V13 INDET TOTAL

87+ TOTAL

211 105 85 45 11 11 57 521

000000000

		TOTAL OBS	54	38	46	77	57	28	47	64	62	35	82	46	88	41	40	36	0	4	797	100.0
UNIMAK 157-165W		MENA NO SIG WEA	6.3	3.8	3.6	3.1	3.9	2.3	4.4	3.1	4.3	3.0	7.5	5.0	9.5	4.0	3.6	3.4	•	4.	565	70.9
		HER PHEND DUST BLWG DUST BLWG SNOW	.1	•	•	•	•	•	•	•	0.	•	•	•	°	•	•	•	•	•	-	•1
AREA 0007 53N-CDAST	ECTION	OTHER WEATHER PHENDMENA OG SMOKE DUST NO O HAZE BLWG DUST SI CPN BLWG SNOW WE	•	•		•	•1	•	٠:	o,	•	•	•	•	o.	-:	•	•	•	0	4	.5
	WIND DIRECTION	OTHER FOG S WO PCPN	•	4	٤.	Ę	5.	.1	4.	9.	1.4	4.	1.5		6.		•		•	•	26	0.
	BY	THOR	•	•	•	0	0	•	•	•	•	o	•	•	•	•	?	•	0.	0	0	•
	OCCURRENCE	TOTAL PCPN 08S	m	50	12	17	21	0	80	19	17	∞	10	~	13	7	11	6 0	0	-	171	
TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME	4.	•	1.5	2.1	2.6	1.1	1.0	5.4	2.1	1.0	1.3	•3	1.6	6.	1.4	1.0	•	• 1		21.5
	ENCY OF	HAIL	•	•	0	•	•	•	•	•	•	•	•	•	•	6.	∹	-:	•	0	4	٠.
	FREQUENCY	TYPE OTHER FRZN PCPN	•	٦.	7.	•	•	•	•	•	•	٦.	•	•	•	•	•	•	•	•	•	4.
	ENTAGE	SNOW	•	4.	ž.	٥.	6.	€.		4.	.3	•	.5		6.	9.	6.	• 5	•	•	57	7.2
	PERCE	PRECIPIT FRZG PCPN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
		DRZL	6.	٦.	•	•	1.4	4.	*	1.1	•	4.	٦.	•	S.	•	• 1	4	•	٦.	26	7.0
1953-1970 1904-1970		SHER	•	•	•	•	•	•	•	o.	•	•	•	•	-:	•1	•	•	•	0.	~	.3
		RAIN	-	-	.3	œ	4.	9.	• 2	1:1	1.3	s.	9.	7	4.	•	e.	.3	•	•	58	7.3
(PRIMARY) (OVER-ALL)		WND DIR	z	NNE	Ä	ENE	w	ESE	SE	SSE	S	SSE	NS.	MSM	3	2	X	ZZZ	VAR	_	TOT 085	
PERIODI																						

PRECIPITATION TYPE

PRECIPITATION TYPE

DATE BOT TOTAL

PRECIPITATION TYPE

DATE BOT TOTAL

PRECIPITATION TYPE

DATE BOT TOTAL

TABLE 2

HOUR RAIN RAIN DRZL FRZG SNOW OTHER HAIL PCT FREQ TOTAL THOR FOG SMOKE DUST NO SHWR PCPN OCCOS TO 7.6 5.5 5.9 21.5 46 .0 7.0 5.5 70.6 00.0 7.0 5.5 6.2 .0 7.7 .0 8.2 .5 5.3 1 45 .0 7.2 .5 6.2 18621 9.6 .0 7.6 .0 7.0 5.5 5.5 20.7 41 .0 7.5 1.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7		TOTAL	ORS		214	195	195	198	802	100.0
RAIN RAIN DRZL FRZG SNOW OTHER HAIL PCT FREQ TOTAL THDR SHWR PCPN AT PCPN LTNG PCPN AT P	HENA	2	SIG	WEA	70.6	69.2	73.3	70.7	569	70.9
RAIN RAIN DRZL FRZG SNOW OTHER HAIL PCT FREQ TOTAL THDR SHWR PCPN AT PCPN LTNG PCPN AT P	THER PHEND!	DUST	BLWG DUST	BING SNDM	Mr.	•	•	•	-	•1
RAIN RAIN DRZL FRZG SNOW OTHER HAIL PCT FREQ TOTAL THDR SHWR PCPN AT PCPN LTNG PCPN AT P	R WEA	SMOKE	HAZE		.5	.5	0	1.0	4	• 5
PRECIPITATION TYPE RAIN RAIN DRZL FRZG SNOW OTHER HAIL PCT FREQ TOTAL SHWR PCPN FRZN PCPN AT PCPN 7.0 .5 6.5 .0 7.5 .5 .9 21.5 46 6.2 .0 7.7 .0 8.2 .5 .5 23.1 45 6.2 .5 6.2 .0 8.7 .0 .0 20.0 39 9.6 .0 7.6 .0 4.0 .5 .5 20.7 41 58 2 56 0 57 3 4 7.2 .7 .0 0 57 3 4	DTHE	FOG	무	PCPN	7.0	7.2	6.7	7.6	57	7.1
PRECIPITATION TYPE RAIN RAIN DRZL FRZG SNOW OTHER HAIL PCT FREG T SHWR PCPN TFRZN PCPN AT 7.0 .5 6.5 .0 7.5 .5 .9 21.5 6.2 .0 7.7 .0 8.2 .5 .5 23.1 6.2 .5 6.2 .0 8.7 .0 .0 20.0 9.6 .0 7.6 .0 4.0 .5 .5 20.7 58 .0 57 .3 4 5.1.3		THOR	LING		0.	0.	0	0.	0	•
PRECIPITATION TYPE RAIN RAIN DRZL FRZG SNOW OTHER HAIL SHWR PCPN FRZN 7.0 .5 6.5 .0 7.5 .5 .9 6.2 .0 7.7 .0 8.2 .5 .5 6.2 .0 8.7 .0 .0 9.6 .0 7.6 .0 4.0 .5 .5 5.6 .0 4.0 .5 .5 5.7 .0 6.7 .4 .5 .5 5.7 .0 6.7 .4 .5 .5 5.7 .0 6.7 .4 .5 .5		TOTAL	PCPN	088	94	45	39	41	171	
PRECIPITATION TYPE RAIN RAIN DRZL FRZG SNOW OTHER HAIL SHWR PCPN FRZN 7.0 .5 6.5 .0 7.5 .5 .9 6.2 .0 7.7 .0 8.2 .5 .5 6.2 .0 8.7 .0 .0 9.6 .0 7.6 .0 4.0 .5 .5 5.6 .0 4.0 .5 .5 5.7 .0 6.7 .4 .5 .5 5.7 .0 6.7 .4 .5 .5 5.7 .0 6.7 .4 .5 .5		CT FREQ	PCPN AT	OB TIME	21.5	23.1	20.0	20.7		21.3
RAIN RAIN DRZL FRZG SNOW OT SHWR SHWR PCPN F F F F F F F F F F F F F F F F F F F										
RAIN RAIN DRZL FRZG SNOW SHWR PCPN PCPN PCPN PCPN PCPN PCPN PCPN PCP	TYPE	THER	FRZN	PCPN						
PRECI RAIN RAIN DRZL FR2 SHWR DRZL FR2 7.0 .5 6.5 6.2 .0 7.7 6.2 .5 6.2 9.6 .0 7.6 7.7 7	TATION	SNOW			7.5	8.2	8.7	4.0	57	7.1
RAIN RAIN DRZL 7.0 .5 6.5 6.2 .0 7.7 6.2 .5 6.2 9.6 .0 7.7	RECIPI	FRZG	PCPN		•	•	•	•	0	•
RAIN 7.0 6.2 6.2 9.6 7.7	<u>a</u>	DRZL			6.5	7.7	6.2	7.6	26	7.0
€		RAIN	SHWR		2.	•	5.	•	7	.2
HOUR (CMT) 00603 06609 12615 TOT		RAIN			7.0	6.2	6.2	9.6	58	7.2
		HOUR	(GMT)		60300	60390	12615	18621	TOT	PCT

FEBRUARY

		21	100 00 00 00 00 00 00 00 00 00 00 00 00		
		18	00000000000000000000000000000000000000	21	44440000000
JAK 165¥		15	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	60	66 199 11 199 11 199 10 100
UNIMAK 157-16		(GMT) 12	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	.	1001 1000 1000 1000 1000 1000 1000 100
0007		HOUR 04	w wrwwrr 0	-	10.00 10.00 10.00 10.00 10.00 10.00
AREA 53N-		90	44000000000000000000000000000000000000	(GMT) 12	100000000000000000000000000000000000000
	HOUR	60	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	HDUR 09	00000000000000000000000000000000000000
	AND BY	0	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	90	0.14444 0.4444 0
	SPEED			60	111.1 27.8 22.2 22.2 111.0 116.1 16.7 18
	ION BY			00	12. 13. 13. 13. 13. 13. 13. 13. 13
	RECT	SPD	O		•
BLE 3	IND DI	Σ ⊢ σ	241/840/000000000000000000000000000000000		∞ 0∼∞4∿∞√00⊣
TA	OF WI	P. P.	94NN949NFN9NONNN 0 F	MEA	0 00404000
	REQUENCY	TÜTAL OBS	04000000000000000000000000000000000000	PCT	00111111111111111111111111111111111111
	u.	4 8 +		TOTAL OBS	1004 1006 11009 11509 11509 1009 1009
	ERCENTAGE	S) 34-47	0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41+	4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
970 970	PER	ED (KNOT 22-33	00 00 00 00 00 00 00 00 00 00 00 00 00	(KNDTS) 28-40	711117187 181 -40870840 84
1953-1		IND SPEI 11-21	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	SPEED 17-27	4.000000000000000000000000000000000000
MARY) R-ALL)		4-10	1 111 111010 0 00 040010001000000000	WIND 7-16	W 4 W W W W W W W W W W W W W W W W W W
(PRI		6-0	, , , , , , , , , , , , , , , , , , ,	9-0	
PERIOD:		WND DIR	ATAPESS S S S S S S S S S S S S S S S S S S	ND DIR	CALAR CALAR TOT DOSS

AREA 0007 UNIMAK 53N-CDAST 157-165W
TABLE 4
14) 1953-1970 1LL) 1904-1970
PERIOD: (PRIMARY) (OVER-ALL)

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

TOTAL	088	256	237	230	254	977	
PCT	FREQ	100.0	100.0	100.0	100.0		100.0
	MEAN	19.7	18.8	18.9	19.0	19.1	•
	CALM	80	•	*	*	4	7
KNOTS	48+	2.0	*.	6.	1.2	11	1:1
SPEED (34-47	11.7	8.9	10.0	8.7	96	9.8
MIND	22-33	22.3	25.3	22.6	24.8	232	23.7
	11-21	40.6	41.4	38.7	41.7	397	40.6
	4-10	21.1	21.9	26.1	20.9	219	22.4
	1-3	1.6	2.1	1.3	2.4	18	1.8
	HDUR	60300	60390	12615	18621	T0T	PCT

TABLE 6 TABLE 5

		TOTAL 085	47	34	37	32	48	27	45	35	46	39	67	40	85	41	35	4	0	4	708	100.0
>4/8)		NH <5/8 ANY HGT	2.5	1.3	1.4		2.0	1.1	₩.	€.	1.7	1.1	4.0	2.4	5.6	1.6	1.1	2.3	•	•1	218	30.8
	z	80000+	7	0	•	0	•	•	•	0	.3	1	0	0	•	0	63	0	0	0	•	80
HEIGHTS (FT.NH	DIRECTION	6500 80	0.	•	•	•	0.	•	•	0.	0.	4.	0.		•	0	0	0	0	0	4	9.
IGHT			0	0	0.	0	0	O	3	0	-	0	9	0	1	0	0	0	0	0	9	6 0
NG HE	UNIM A	5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	٠	•	•		•
CEILING	<5/8 BY	3500	•	~	*.	0.	۲.	*	•	4.	•	.3	.1	6	₩.	€.	°.	9.	•	•	33	4.7
CY OF	Ĭ	2000	.7	4.	.7	9.	•			*	*	4.	9.	9.		1.6	1.1	1.3	•	.3	81	11.4
FREQUENCY OF	ENCE	1000	•	1.1	1.6	1.6	1:1	•	2.1	₩.	1.7	2.3	5.4	2.7	3.2	1.8	1.3	6	•	•	178	25.1
	OCCURRENCE OF	009	1.3	4.	4.		1.0	e.	1.0		.7	.3	80		6 0	7.	60	9	•	0	73	10.3
PERCENTAGE	AND	300 599	4.	9.	6	.	1.0	4.	4.	φ.	.7	6.	4.	•	7	7	٦.	0	•	•	43	6.1
α.		150	.1	e.	•	٠.	•	•	•	•	.1	•	٠.	•	6	•	•	6.	0	•	14	2.0
		000	.3	•	4.	4	1.0	••	.7	φ.	.7	.3	.7	•	•	u,	.1	4.	•		52	7.3
ITHS)		ER D	5.4	•1	.5	••	9.	6.	œ.	••	.5	2	9.	• •	0.	6.	•3	•5	•	m	0.	
(E16H		CLOUD COVER	W	_	•	•	•	ĸn.	•	_	Φ	•	ın	5	L.	'n	•	40				
TOTAL CLOUD AMOUNT (EIGHTHS)	TION	TOTAL OBS	47	34	37	32	48	27	45	35	46	39	67	46	82	41	35	40	0	4	708	100.0
LOUD A	WIND DIRECTION	8 & 085CD	2.5	2.8	3.1	2.7	5.1	1.7	2.8	3.5	3.5	5.4	3.5	1.7	1.7	1.0	2.3	1.8	•	7	298	45.1
DTAL C	BY WIND	5-7	1.7	1.4	0.	1:1	7	1:1	3.0		1.6	2.3	3.0	2.5	2.0	3.6	2.0	2.0	•	e.	237	33.5
9	8	3-4	1.0	4.		-	-				1.0		1.6	1.4	2.1	4.	u.	1.0	0	•	86	12,1
PCT FREQ		0-2	1.4	-:	4.	•	ω (*	;	4.		1.4	œ (2.3	•	4.	۰.	•	-	87	12.3
ă		WND DIR	Z	NE	2	ENE	w ;	ESE	SE	55E	S	SSK	S	INE	*	ZZZ	3	Z	VAR	CALM	TOT 085	TOT PCT

i Ž

(PRIMARY) 1953-1970 (OVER-ALL) 1904-1970 PERIODI

TABLE 7

SAN-COAST 157-165W

r

1

CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

		1.4	6.9	18,5	43.5	53.8	59.9	61.9	69.2	064
	- DR	1.4	6.9	18.5	43.5	53.8	59.9	61.9	69.2	490
	- OR	1.1	6.5	18.1	43.1	53.4	59.3	61.3	4.19	477
_	* OR >1/2	1.1	6.5	18.1	43.1	53.2	59.5	61.2	8.99	473
VSBY (NH	R '	1.1	6.5	18.1	45.9	52.7	58.6	9.09	8.49	459
	• UR	1.1	6.9	17.9	41.8	50.8	56.6	58.5	61.4	435
	E Dix	1.1	4.9	16.7	38.6	46.0	50.1	51.8	53.0	375
	- GR >10		4.2	4.5	23.4	27.5	28.5	28.8	29.1	506
	EILING (FEET)	>6590		•			• •		o ^	TOTAL
	تن		• 8	• 8	• 8	• Q	• 0%	• 08	• 9	

PCT FREQ NH <5/8: 108 TOTAL NUMBER OF OBS:

30.8

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

TABLE 7A

TOTAL 8 DBSCD OBS 7 • • m 4.5 0

738 6.1 15.6 12.3 29.3 6.0 7.5 8.5 6.9 3.4

PAGE 016

	53N-CDAST 157-165W
	TABLE 8
	LL) 1904-1970
ERIOD: (PRIMARY	(OVER-ALL

PERCENT FREG OF WIND DIRECTION VS OCCURRENCE OR NON OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

F.5.4	91,0	1.5	22.5 64.5	6.7 5.5 12.2	7.2 24.4 31.5	2.0 43.1 45.1
TOTAL	112	111223	22 19 41	53 74 74	57 194 251	16 343 359 796 1
CALH T	•••	.0.1	000	•••	000	04w 4w
VAR	000	•••	•••	•••	000	000 00
X	600	•••	44.4		1:1	2.3 19 19 4.5
Z	000	000	440	11.2	1.4	1.1 1.8 1.5 3.9
N N	000	404	0.4.4		1.8	2.1188
. 3	-:0-	.0.1	11.2	• · · •	2.0	7.2 58 88 11.1
MSM	444	1.0	•••		0.16	. w . w 0 8 6 4 8
. AS	4	o.v. 4	w.4.n	40.0	2.1	4.8 38 38 10.2
SSW	000	.1.5	0.7.4	440	1.8 16	1001
S	4 4 10	7.1.2	440	12.9	2.1	2.6 22 22 62 7.8
SSE	0,00	1.1.2	w0.0	0 4 m	1.4	1.6 13 49 6.2
SE	0.1.1		0 m N	w0.N	2.5	1.9 16 16 47 5.9
ESE	•••	•••	W 0 W	2.1.0	4.1	3.6 3.6
ш	4.40	. . • w	v.04	1.1	1.6	1.9 1.9 16 57
ENE	•••	0.1.1	77.7	0.1.0	6.86	2.1 199 144 5.5
Z Z	000	000	40,0	4.6.0	4.1	1.6
N E E	-0.1		0,00	400	1.0	2.0 4.0 8.0 8.0 8.0
z	000	.01	1.0	1.12	1.1	6 . 4 . 6 . 4 . 6 . 4 . 6 . 6 . 6 . 6 .
	PCP NO PCP TOTAL	PCP ND PCP TOTAL TOTAL PCT				
V 507	C1/2	1/2<1	142	5<5	5<10	10+

PERIOD: (PRIMARY) 1953-1970 (OVER-ALL) 1904-1970

TABLE 9 53N-CDAST 157-165W

	PCT	.2		1.2		5.6	7		•	.7	5.4	7	۲۰	2.1	4.0	Ç		•	11.3	:	•	•	,	31.0	_	٠,	190			100.0	
	TOTAL	2	10	12		25	-	• •	•	_	23	-			117	٥			110	•	4 [t٢	4	305		٠,	771	. "	0	_	100-0
	CALM	C				0	,				7	0			0	0	1		0		•			0	ď	•			e	•	4
	VAR	0	0	0		0	0	0	0			•	•	•	o	0	0	o e	• •		•	•	•	0	c	•	•	9	0	o	•
	Z	٥	0		7.	7	0	9	0	•	0	•	-	•	. 2	0		₹.	. 2	ı				13	-	•	2 4		35	51	5.5
	ž	0	0	0	0	၁	0	0	9	•		0.	oʻ.	9 <	•	0		· ·	. ~		•	• 00	0	• ~	c	•	2.	•	22	50	5.1
۵	Z	•	•	•	•	0	•		•		-	•			:-	•			9.0		ė.			17					2	04	2.0
IND SPEED	3	•	0	0		7	0		•	7.	-	•	•	٠ د	, ,	0		٠.	. •	•				25		•	4 (7	•	•	C	10.7
VS WIN SIBILI	MSM			•1		4	•	•	•	7.	-	•	•	•	•	•	7.	0,0		1 1				12	-	•	1.0	•	<i>(</i> 0)	58	0.0
TION PF VI	N			4.		4	•		-:	٠.	4	•			••	•		4 (••		• •		1.0	2		•		•	4		8.5
D DIREC	SSW	•	•	•	•	0	•		•	•	7	0	• ·			•	•		• ~				10				•		21	64	2.0
OF WIND	S	•		·		'n	0		7		7					•			• H				0				4	•		77	7.9
REQ TH VA	SSE			٦.		7	•		7.		7				, N	•		4.			•	1:1	6	22			•		20	26	5.8
PERCENT P	SE			•		7	•		٦.	٦.	O	•	-:-	•	• m	•	•	•	. 4	-	• `	1.7		28			2.0			67	6.9
ā.	ESE			0		0	•		0	•	0	•	٠.	•	. 2	•	5.	.	• ~		•	1 40	8	18			1:1			43	4.4
	ш	۲.	2.	.2	•	5	0	.2	7.	•	m	0	• •	• (1	14	•	4	•	100	c	• ^	. 0	0.	17			_			99	6.8
	E NE	•		•		0	•	0	•	٦.	-	•	-!-	•	. ~	•			2	•	•		1.3	N	q	-	1.2	7	20		5.8
	Ä	•		•		0	0	•	0.	0	0	0.	• -	•	10	•	7.		10	-	• (1	•	•	19			0			4	5.0
	NNE	0	•	٥.	٦.	-	0	0	۲.	•	7	7.	• •	•	0	0.	•	* -	• •	-	•	4		13	o.	4	6	80	21		4.4
	z	•		•		0	•	•	•	7	-	•	o -	•	-	•	۲,	- •	2 70	•					1.	•	1.5	•	4	61	6.3
	SPD KTS	0-3	4-10	11-21	22+	TOTAL	6-0	4-10	11-21	22+	TOTAL	0-3	11-21	224	TOTAL	0-3	4-10	11-21	TOTAL	610	4-10	11-21	22+	TOTAL	0-3	4-10	11-21	22+	TOTAL	TOTAL	PCT
	VSB√ (NN)		<1/5					1/2<1				,	721				245				5610	,				10+	•				

UNIMAK 157-1651		TOTAL OBS	198	166	180	175
SAN-COAST 157-165W	9	8000+ TDTAL NH <5/8	26.3	37.3	43.9	19.4
SAR	PERCENT FREQUENCY UF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	73.7	62.7	56.1	80.6
	EET, NH OUR	+0000€	•	•	•	2.3
	HTS (F	6500	•	1.2	•	•
10	G HE I GI NH <5/	3500 5000 4999 6499	1.5	•	1.1	•
TABLE 10	CEILIN CE OF	3500	5.1	3.6	5.0	4.6
	CY DE	2000	11.6	9.6	8.3	16.0
	REQUENO OCO	600 1000 999 1999	5.1 13.1 28.8 11.6 5.1	8.4 22.3 9.6	15.6	8.0 9.1 32.0 16.0
	CENT FI	666	13.1	8.4	5.6 9.4 15.6	9.1
	PER(300	5.1	5.4	5.6	8.0
		150 299	2.5	1.8	1.7	1.7
970		000	6.1	0.6	8.3	6.3
1953-19		HOUR (GMT)	60300	60390	12615	18621
PERIOD: (PRIMARY) 1953-1970 (OVER-ALL) 1904-1970		_		J		
PER 1 00 :						

.,

/ · •

227 719 31.6 100.0

4.89

ο œ.

4 0

33

43 73 178 82 6.0 10.2 24.8 11.4

14

53

T07

	AND/OR	TOTAL OBS	194	162	178	174	100.0
	HOUR	5+6	25.3	33.3	41.0	17.8	207
	VSBY	AND	7	(11)	•	-	N
12	IGES OF NH >4/8	1000+ NH <5/8 AND5+ AND 5+	42.8	34.0	25.8	51.1	273
TABLE 12	OF RAN (FEET,	<600 <1000 <1 < 5	13.9 32.0	18.5 32.7	18.5 33.1	17.8 31.0	32.2
	FREQ G HGT	600	13.9	18.5	18.5	17.8	121
	CEILIN	<150 <50YD	5.7	9.3	4.8	6.3	52
	CUMULATIVE PCT FREQ OF RANGES OF YSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	HOUR (GMT)	60300	60390	12615	18621	101 PCT
		TOTAL OBS	194	162	178	174	708 100.0
	8Y HOUR	10+	56.7	45.7	51.7	51.1	365
٦.	(NN)	5<10	6.62	33.3	27.5	32.2	30.6
TABLE 11	CY VSBY	2<5	6.2	6.6	11.8	9.5	9.5
	FREQUEN	1<2	3.6	4.3	3.9	5.9	3.7
	PERCENT FREQUENCY VSBY (NM) BY HOUR	1/2<1	••	3.1	3.9	1.7	16 2.3
	•	<1/2	3.1	3.7	1.1	5.9	2.7
		HOUR (GMT)	60300	60390	12615	18821	T07 PC1

1953-1970
(PRIMARY) (OVER-ALL)
PERIODI

TABLE 13

AREA 0007 UNIMAK 53N-CDAST 157-165W

TABLE 14

	CALM	Ç	9	? :) (•		•			TOTAL	175	168	152	176	671
ENP	VAR	o,	9	•	0	9	9			,		HUUR	HEAN	87	82	1	8	•
N BY TENP	Z	9	-	3.6	3.0	1.0		0	6	9.0				6	2.	7	7	333
ECT 10	3	0	-	9.6	3.6	7		9	103	15.4		MIDIT	9 90-100					
WIND DIRECTION	SH	•	4	10.2	1.0	0	0	0		15.7	16	RELATIVE HUMIDITY BY	80-89	32.	25.	30.	29.	198
	S	*	9.9	5.5		0	0	0	98	12.9	TABLE	RELAT	70-79	16.0	16.1	14.5	11.4	16
FREQUENCY OF	SE	•	4.6	8.5		•	9		6	•		ACY DF	69-09		11.9	3	3.4	38
	ш	1	2.7	9.1	1.2	•	0			~		FREQUENCY	30-59	1.1	1.2	.7	0	•
PERCENT	¥	1.		6.1	3.7			•		11.2		PERCENT	0-29 3	•	•	•	•	0
	z	0	m		3.3	•	•	•	57	8.5		PE		60300	60390	615	18621	1
													모:	28	90	12	18	-
100	FREQ	.7	20.9	56.5	17.2	3.3	1.3		100.0									
1014	0 8 S	•	140	376	115	22	•	7	699			HOUR	TAL	252	235	227	253	196
d H	90-100	•	6.0	5.0	0.	.3	9.	e.	132	9.0		B ¥	T01			_		
Y TE												ũ	MEAN	36.7	35.9	35.9	35.8	36.1
DITY 8	80-89	•	4.9	16.9		6.		•	197	29.4		P (DEG	Z	60	0	_		_
HOH	70-79	•	2.8	6.3	3.7	1.0	•	•	97	14.5		OF TEMP	1%	25	20	21	50	21
LATIVE	50-59 60-69 70-79	•	1.8	1.9	1.9	•	•	•	38	5.7	15		5x	27	28	28	27	27
0F R	50-59		•	•	•	•	•	•	1		TABLE 1	PERCENTILES	20%	38	3.	37	37	37
FREQUENCY OF RELATIVE HUMIDITY BY TEMP	40-49	•	•	•	o.	•	•	•	0	•	-	AND	95x	45	7	;	7	17
	30-39	•	•	•	0	0	•	•	0	•		TREMES	3 66	*			75	6 4
PERCENT	0-59	•	•	•	•	0	•	•	0	•		HEANS, EXTREMES	MAX	47	•	7.	9	7
	TEMP F	45/49	40/44	35/39	46/06	62/62	20/24	15/19	TOTAL	104		ME		60000	1000	61371	18621	101

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

					i)		•		
-SFA	17	21	25	29		37	41	45	TOT	*	2
DIF	50	54	58	35	36	0	*	4		F06	FOG
10	•	•	•	•	•	•	•	7.	7	0	.1
80	•	•	•	•		•	•	7	7	•	7.
	•	•	•	•		6.	•	0	74	0	
_	•	•	•	•		•	*	7	*	-	•
	•	•	•	•		4.	1.8	•	17		1.8
	0	•	•	•		1.1	1.5	•	20	ď.	2.4
~	•	•	•	•		3.9	1.0	•	36	1.4	3
_	0	•	•	•		0.9	1.0	•	54	•	9
0	0	•	•			10.3		•	95	•	12.1
_	•	•	•	•		7.5	1.0	•	74	•	6
-2	•	•	•	•		6.7		•	98	1.0	10.
•	•	•	•			4.2	6	0	51	-	5.3
	•	•	7	.7		2.3		•	76	•	8.6
	•	•	٦.	3.0		2.3	۲.	•	99	7	6
9-	•	•	•	4.		÷	•	•	28	e.	3
8-/	0	•	۲.	5.4		€.	•	•	43		5.1
/-10	•	•		5.4			0	0.	35		4.6
/-13	•	*	1.4			•	•	•	19	7	2.
/-16	٠,	1.2	۲.	4.		•	•	0	18	0	7.
1-19	4.	4.	.	•		•	•	•	60	0	1
TAL	4	15	59	4		341	65	m	736	10	99
<u>+</u>	5	2.0	3.9	10.7		46.3	8.8	4.	100.0	7.5	92

TABLE 18

AREA 0007 UNIMAK 53N-CDAST 157-165W (

	TOTAL O 133 S		14 AL 69 90 00 00 00 00 00 00 00 00 00 00 00 00
			* 000000000000000000000000000000000000
(FT)			mw
HEIGHTS (,	M 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SEA	11-21 .0 .3 1.5	, , , , , , , , , , , , , , , , , , ,	100000000000000000000000000000000000000
VERSUS	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	m	1
DIRECTION	m 0 0 0 0 0		m
AND	AL 2 11 10 12	, w w w u u o o o o o o o o o o o o o o o	-W000000000000000000000000000000000000
(KTS)	101	Š	101
SPEED	4 00000		4
OF WIND	4 1 0 0 0 0		#
T FREQ		4	#
2	11-21 .00	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		w	1 00w00w0000000000000000000000000000000
			m • • • • • • • • • • • • • • • • • • •
	HCT 112 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1081 1081 1081 1081 1081 1081 1081 1081	100 100 100 100 100 100 100 100 100 100

PERIOD: (PRIMARY) (OVER-ALL) 1963-1970

TABLE 18 FEBRUARY

AREA 0007 UNIMAK 53N-COAST 157-165W

		10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	10 44 11 12 12 11 12 11	101 101 100 100 100 100 100 100 100 100
	+000000000000000	* 0000000000000000000000000000000000000
(FT)	7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C 000000000000000000000000000000000000
HEIGHTS (W	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
SEA HE	11-21	11-21
VERSUS	,	1 1 N
D DIRECTION	400000000000000000000000000000000000000	,
(KTS) AND	T0TAL 1AL 12.000000000000000000000000000000000000	TDTAL 11 13 7 7 7 7 6 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SPEED	+00000000000000000000000000000000000000	+ 0000000000000000000000000000000000000
OF WIND	4 4 5 6 6 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	# ************************************
T FREQ	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	* 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
2	1 2 4 4 5 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1,000000000000000000000000000000000000
	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 4040000000000000000000000000000000000
	4 400000000000000	m ••••••••••••••••••••••••••••••••••••
	100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HG 101 101 101 101 101 101 101 101 101 10

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UNIMAK	157-165W
AREA 0007	S3N-CDAST

		065	7	48	95	51	52	4	23	15	20	S	0	0	. ~	• 0	•	•	•	• 0	• 0	325	
(FT)			•	•	•	•	•	0.	•	•	•	•	•	•	۳.	0	•	•	•	•	•	M	
EA HEIGHT	24-47	ı	•	•	•		1.8			6.	2.5	o.	•	•	•	•	•	•	•	•	•	39	12.0
VS S	22-33	6-3	•	•	•	•	7.1	•	•		2.2	o.	•	•	•	•	•	•	•		•		27.1
(KTS)	11-21	ì	•	6.8	9.5	7.7	5.5	6.5	0.	6.	•	•	•	•	•	°	°	•	°	•	•	127	39.1
SPEED	0[-4			7.7	4.0	2.8	1.5	6.	.	•	e.	•	•	•	•	•	•	•	•	•	0	99	20.3
ONIM	-		•	m,	•	•	•	•	•	•	•	•	•	•	•	•	•	•	٥.	•	•	7	9.
	HGH		7	1-2	3-4	2-6	~	0	10-11	12	13-16	-	6	4	ç	9	_	6			r-	-	J

1

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

3-4

SEC) (SEC) (SEC)

12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 • • • 0 0 0 0,0 0 4 W. C. 6.4 8-9 10-1; 4.9

87+ TOTAL

00000000
00000000
00000000
00000000
00000000
00,00000
000000000000000000000000000000000000000
000000004
004004004
000017
WHH & &
0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1010 11740 1000 1010
4044 4
44W1 N
9.1 1.9 1.0 1.0 1.0 1.0 1.0 1.0
0.0000000000000000000000000000000000000

AREA 0007 UNIMAK 53N-CDAST 157-165W	
TABLE 1	
1953-1970 1922-1970	
ERIDD: (PRIMARY) (OVER-ALL)	

DIRECTION
NIND
BY
OCCURRENCE BY WIND
a.
OF WEATHER
9
~
FREQUENC
PERCENTAGE !

	TOTAL	OBS		85	27	41	35	61	34	39	4 4	75	51	62	99	66	88	66	88	0	90	1032	100.0
ENA	2	S16	WEA	9.9	2.1	2.8	2.2	3.4	1.6	5.4	2.1	3.6	3.5	3.9	5.7	1.7	7.0	8.2	7.4	•	3.9	761	73.7
HENDM	SMOKE DUST NO	DUST	SNOW	٠.	•	•	•	٠.	o.	0	•	•	•	•			.1	٠.	•1	•	•	_	٠.
THER P	DUST	BLWG	BLWG																				
R WEA	SMOKE	HAZE		1.	•	-:	•	•	•	•	•	•	•		•	•	•	•	•	•	Τ.	•	•
	FOG		2000	w.	~	e.	~	4.	'n	'n	1.0	1.3	e.	5	٠.	.7	۲.	٠,	•	•	٠.	77	7.5
	THOR	LING		•	•	•	0	•	•	•	•	•	•	0.	•	•	•	•	•	0.	0	0	•
	TOTAL	PCP	088	12	m	6 0	11	21	12	6	12	23	12	14	•	•	14	9	11	0	-	181	
	PCT FREQ	PCPN AT	OB TIME	1.2	6.	Φ.	1.1	2.0	1.2	6.	1.2	2.2	1.2	1.4	•	9.	1.4	9.	1.1	•			17.5
	HAIL				•	•	•	•	•	•	•	•	•	•	•	•	•	•	7	•	•	7	.2
TYPE	OTHER	FRZN	PCPN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	7.	٦.	•	•	7	• 5
ITATION	SNOW			7.0	•2	4.	4.	.7	4.	۲.	6	۳.	6		• 5	.2	1.1	4.	5	ó	•	70	6.8
ECIPIT	FRZG	PCPN		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	-	
8	DRZL			-4	۲.	•	9.	u.	ď.	ů.	4.	1.3	'n	•	٦.	7.	٦.	•	•	•	•	64	4.7
	RAIN	SHAR		•	•	•	•	-:	•	•	-;	•	۲.		9	.2	٦.	•	٠.	•	۰.	a	€.
	RAIN				•	4.	7.	1.1	'n	٠.	.5	.7	6.	.7	4.	0.	•1	•	0.	•		26	5.4
	WND DIR			z	NNE	¥	ENE	ш	ESE	SE	SSE	S	SSM	XS.	ESE	3	エスヌ	Z	ZZ	VAR	CALM	TOT 085	TOT PCT

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TABLE 2

	TOTAL							100.0
IER PHENOMENA		MEA	74.1	75.3	70.5	72.9	176	73.3
	DUST	PCPN HELE SUM WEA	6.	4.	•0	1.1	1	.7
ER WEAT	SMOKE	37 W L	.7	1.2	4.	•	ø	•
OTH	F06	PCPN	8.3	8.1	8.5	8.3	88	6.3
	THOR							0
	TOTAL	Seo	48	39	84	47	182	
	PCT FREQ	OB TIME	16.6					
	HAIL						7	
TYPE	UTHER	PCPN	6	4.	•	•	7	.2
TATION	NONS		7.6	5.0	7.0	6.9	20	9.9
RECIPI.	FRZG		0.	•	4.	•	~	-:
٦	DRZL		4.1	2.7	9.9	2.6	20	4.7
	RAIN	K E C C	•	1.2	₩.	1:1	∞	₩.
	RAIN		4.8	6.9	4.5	6.4	56	5.3
	HDUR	Ē	60200	60390	12615	18621	TOT	PCT

UNIMAK 157-165W
AREA 0007 53N-CDAS1
TABLE 3
PERIOD: (PRIMARY) 1953-1970 (OVER-ALL) 1922-1970

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

	21	9.6	1.9	1.9	5.8	3.8	1.9	1.9	7.7	5.8	9.6	5.8	9.6	9.6	7.7	9.6	7.7	0.	•	52	100.0
	81	7.6	2.2	4.7	3.3	5.4	3.6	3.6	5.1	8.7	9.3	6.2	8.0	4.6	6.9	8.3	8.7	•	5.4	276	100.0
	15	6.5	7.6	•	3.2	6.5	•	4.4	4.6	16.1	•	12.9	12.9	•	3.2	3.2	6.5	•	•	31	100.0
(GMT)	12	7.8	5.9	5.3	3.5	4.1	5.9	4.1	3.3	7.0	5.8	5.8	5.8	10.3	6.6	11.5	5.3	•	6.4	243	100.0
HOUR	60										5.6										100.0
	90	4.8	2.2	4.0	5.9	5.1	5.9	5.9	5.9	6.5	4.4	7.3	4.0	12.0	8.7	8.6	11.3	•	4.7	275	0.001
	60										•										
	00	4.4	3.0	3.3	3.3	6.7	3.3	3.0	9.0	5.7	5.7	5.7	8.0	0.6	8.0	10.4	8.0	•	4.0	599	100.0
	MEAN	19.4	15.5	18.1	14.6	17.6	16.5	17.2	14.2	19.1	16.2	16.0	18.3	15.9	18.8	21.1	22.2	•	•	17.3	
	PCT FREQ	8.2	5.9	4.0	3.4	5.5	3.5	3.4	0.4	7.1	4.1	9.9	6.8	6.6	4.8	4.6	8.6	•	4.2		100.0
	TOTAL	101	36	40	42	49	40	42	20	88	58	82	40	123	104	117	107	0	52		
	+8+	7	•	•	•	•	٠.	•	•	•	•	•	•5	•	•	•		•		7	9.
5)	34-47	•		6.	٠.	•2	e.	.2	۲.	1.0	.2	.2	ů	9.	•	1.1	€0	•		9 6	ø. ø
WIND SPEED (KNOTS)	22-33	1.9	9.	6.	4.	1.1	.2		5.	1.4	1.0	1.0	1.0	1.9	2.1	9.0	3.0	o.		255	50.6
ND SPEE	11-21	3.6	1.1	1.5	1.4	2.5	1.7	1.9	1.9	5.9	1.9	3.5	3.6	3.7	4.4	0.4	3.6	•		538	43.4
13	4-10	1.9	1,1	1.2	1.5	1.3	1.0	•	1.5	1.6	1.4	1.8	1.5	3.6	1.1	1.2	1.0	•		287	23.5
	6-0	•	•	•	۲.	•	•	•	•	~		~	-:	~	~	۲.	-:	•			
	AND ON R	z		¥	ENE	w	ESE	SE	SSE	S	ES:S	ZS	ZSZ.	*	3 2 3	Z	ZZ	VAR	CALM	TOT 085	TOT PCT

TABLE 3A

21	11.5	200	9.6	15.4	15.4	17.3	17.3	0	•	52	100.0
18	80										
15	16.1										
(GMT) 12	10.7										
HDUR 09	15.8										
90	10.5										
03	0.0										
8	12.7										
MEAN	18.4	17.2	15.5	17.9	17.2	17.2	21.6	•	•	17.3	
PCT	11.1										
TOTAL OBS	137	104	92	146	166	227	224	0	52	1239	
41+		7	7	٦.	ŗ.	•2	•	•		22	1.8
(KNDTS) 28-40	6.0	1.0	4.	2.2	o.	5.4	4.4	°.		174	14.0
SPEED 17-27	3.6	2.7	1.9	3.2	5.3	5.5	6.9	•		388	31.3
7-16	4.6	3.8	4.8	5.1	5.5	8.2	5.5	•		507	6.04
9-0	•		€.	1.2	1.2	7.0	1.0	•	4.2	148	11.9
WND DIR	ZZ	<u>u</u>	SE	S	Z S	*	Z	VAR.	CALM	TOT 085	TOT PCT

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														TOTAL OBS	70	2.8	33	33	40	27	23	E 10	- o	4	. KU	95	77	68	95	0	46	900	7.001
											>4/8)			NH <5/8 ANY HGT	4.7	1.6	1.6	4.	1.6		•	•	9	1.1	2.7	4.9	4.0	5.9	4.9	•	3.6	304	,
MAK -165W											(FT,NH >	NO		8000+	c	9	0	•	•	•	•	•	•	0	7	٠.	•	•	-:	•	-:	n 4	•
157												DIRECTION		6500 6	o	0	0	•	•	•	•	•	. 0	-		•	.1	•	•	•	oʻ.	n 17	•
AREA 0007											G HEIGHTS	ONIN		5000	0	0	0	•	•	•	•	•		-		•	•	•	-	•	oʻ.	n 19	•
ARE 53N		٦.,	43	313	4	80	6				CEILING	5/8 BY		3500 4999	r.	0	•	.2	•	•	•	- •				۰.	m	٠,	0	•	0,0	2,2	•
		TOTAL OBS					-	,		- V	PO	NH <5		2000 3499	1.6		•	•	4	. 7	•	0.1		4	· •	.7	•	1.2		•		11.8	•
	R (GMT)	PCT	- prod	100.0	_			100.0		TARIE	FREQUENCY	NCE OF		1000	1.6	Φ.	•	1.1	1.2		4	7 · ·		1.7	2.2	2.2	5.0	1.9	5.3	•	• (73.0	`
	BY HOUR	MEAN	18.0	16.7	17.2	17.3	17.3				AGE FR	DCCURRENCE		666	•	•	•		1.1	•	7.	• •	9 6	. 7	4	1.3	€.	4.	o. 1	•	25.	11.7	
•	PEED	CALM	3.7	4.2	4.4	4.6	52	4.2			PERCENTAGE	ANO O		300 599	7.	0	0	7.	4		٧.	r «	, m	•	•	٦.		2.	7.	•	٥,٢	3.0	
TABLE	MIND S	KN0TS)	6.	0	. 7	•	_	•			4			150 299	0	0.	2.	0	٠.	-; .	- •	-	0	۲.	•	0	•	0	:	0	~; o	1.0	•
	P	SPEED (6.2	6.7	7.3	7.6	86	6.9						ງດູດ 149	•1	•	.2	3	4 (0,	•			4.	ů.	.7	•	0	- •	.	2.5	5.7	
	FREQUENCY	WIND 22-33	21.9	20.8	19.0	20.4	255	20.6																									
	ERCENTAGE	11-21	5	40.0	'n	6	53	•			(EIGHTHS)		w 1	VER		•	•	•	•	•	•		7.2	•		•		•	•	•	0.40	•	
	PER(4-10	•	φ,	:	ċ	28	•					,	AL CL S CO	42	28	m (0 0	100	23	66	57.0	39	43	58	92	7.	D (2	7 0	.	9 0	90	
		1-3		9.	•	•	_	1.1		ĸ	AMDONT	DIRECTION		80 0	~	N.	80 (o c	· •	oo	. ~	2	6 0	O	m (.		٥ ر		۰۵ ۲۵ د	10	
1-1970		IDUR	6030	ο.	- 4	N	-	L 2		TABLE	CLOUD		(3 8 0 8 S C	2.	-		• •	, ,	• • •	• ~	4	9	2.	2	2.	- (,	•	• -	37	41.	
1953		I	8	9,	7	8	-	۵.		F -	TOTAL	BY WIND)-0	2.9			•	,,	•		6	•	•	9.1	•	•	•	•	•	253	28.1	
IMARY)											90	_		914									.2	•		•	•	•	•		106		
<u>-</u>											CT FRE			2-0	2.0		•	•	•	•	י ר	00	.2	.	•	•	•	200	•	•	169		
PERIOD											à			N N N N N N N N N N N N N N N N N N N	z	UZ.	بر بر 2 ع	ZL	n n) U	7 V	S	SSW	S	3SX	3 :	3 Z	Z 2	2 >	: -	07 CB	-	

TABLE
1953-1970 1922-1970
(PRIMARY) 19 (OVER-ALL) 19
PERIODS

AREA 0007 UNIMAK 53N-CDAST 157-165K	
TABLE 7	CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)
ARY 1953-1970 R-ALL 1922-1970	
MARY)	

	* *	6	1.3	3.6	15.5	38.4	49.8	52.7	53.8	59.9	248
	>50YD	•	1.3	3.6	15.6	38.4	8.64	52.7	53.8	59.9	548
•	×1.	٠.	1.3	3.6	15.6	38.4	49.6	52.3	53.3	58.5	535
~	>1/2	•	1.3	3.6	15.6	38.0	6.65	51.9	52.9	56.4	516
VSBY (NH	* ~	6.	1.3	3.6	15.6	37.7	48.6	50.8	51.6	54.5	664
í		6.	1.3	3.6	15.5	36.6	46.9	4.8.9	49.5	51.3	694
4	• • •	6.	1.3	3.6	14.5	33.0	40.7	42.1	42.6	43.5	398
•	* 01 ^	.7	1.0	2.5	4.6	20.3	24.6	24.9	25.1	25.1	230
	CEILING (FEET)	■ OR >6500	■ DR >5000	- DR >3500	- DR >2000	■ DR >1000	- DR >600	- OR >300	- OR >150	- OR > 0	TOTAL

915 TOTAL NUMBER OF OBS:

40.1 PCT FREQ NH <5/8:

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS) TABLE 7A

963
6.3
29.4
9.0
4.6
4.9
9.9
7.1
8.0
5.1
12.6

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Ą

		PCT	~#4 0.40	1.3	2.3	5.1	20.4	49.8 51.5	100-0
		TOTAL	12 35 47	113	22 22 44 52	52 53 105	61 210 271	18 512 530	1029
		CALM	0.00	000	-0-1	0,00	000	3.1	50
3		VAR	•••	000	000	000	•••	000	00
UNIHAK 157-165W	PRECIPITATION	Z	NON	4 4 7	440	W4L	1.1	5.3 56	91
0007 DAST	RECIP	Z	-0.7	•••	0	464	1.3	6.3	94
AREA 0007 53N-CDAST	90	Z	, o, n	000	NON		1.6	4.2.6	8 . 4
	OCCURRENCE ILITY	3	-4.n	0.1.1			2.0	5.6	93
	R NON OCCU	MSM	0-1-1	000	2	. 4 N	1.7	9.1 3.5 5.0	6.5
	- L	MS	0 11 10	0.1.1	-u.4	2.7	1.7	1.7	61
а. 60	IDN VS DCCURRENCE VARYING VALUES D	NSS	3.56	404		ښ ښ م	1.00	1.8	5.0
TABLE	VS DC	v	1.60	0. 6	440	r.130	1.9	2.1	7.3
	RECTION WITH VAR	SSE	4	4.4	44.0	. 4 w	40.6	1.1	4.1
	DI	SE	0 11 10	4.4	- m 4	440	6.6	1.1	3.8
	OF # IND	ESE	000	w 4	0.1.4	W 4 0	9 8 7	86	3 34
	FREG	w	0 m m	000	444	1.2	1.0	2.0	5.8
	PERCENT	ENE	-0-	0.1.4	ď	เข้าเจ	น่น ั่≻	0.11	33
1970		N E	0.1.1	0-1-	404	440	1.3	1.4	3.9
1953-1970 1922-1970		NNE	0 2 2	000	202	000	0 10 10	1.7	2.6
(PRIMARY) (OVER-ALL)		z		•••	101	111	1.2	0.2	8.2
PERIUD: (PRI			PCP NO PCP TOTAL	TOTAL PCT					
PER		VSBY	<11/2	1/2<1	142	5<2	5<10	10+	

PERIOD: (PRIMARY) 1953-1970 (OVER-ALL) 1922-1970

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

	+ •	5<10	245	152	1/2<1	(NM) (NM)
TOTAL PCT	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TUTAL	0-3 4-10 11-21 22+ TOTAL	SPD KTS 0-3 4-10 11-21 707AL
100	1 N L 6 U U 4 O	100	N	-0-00	00000	9000 Z
36	20	70320	00000	91116	00000	NNOOO M
47 3.8	1.0	.7	62120	NN000	r:000	10100 m
E.E	21.51	00400	72210	woo	-00-0	m m N m N
63 5.1	.0 .7 1.1 .2	10	1 o	U1 N N O O	00000	m
0.40	10	62560	0 - W - 0	-0-00	41210	m m m
42 3.4	L	1.2720	782.0	00014	wo no o	NO NO 0 M
3.9	150670	1527	01270	5×1×0	o-i-o	 M 00000
88 7.2	2.00	0 Onmon4	10460	0NWN0	w0	0 1 1 1 1 N
58	22.780	20.00	· 22	0000	20110	3 0 0 × 1 × 0 0 × 0 × 0 0 × 0 0 × 0 0 × 0 0 × 0 0 × 0 0 × 0 0 × 0 0 × 0 0 × 0 0 × 0 0 × 0 0 × 0 0 × 0 0 ×
81	1.1	30.4.1	UN640	00000		20110 X
9.0	1:0 2:0 45	04410	6NNF0	24400	00000	E 000 E
123	20.2	3201.0	GPPNO	₩0 H NO	-0-00	UNHNO E
104	3.5 1.3 70		90-20	21100	00000	NNOOO E
116	2.4 2.2 2.4 1.0	1.0	63110	-1000	NN000	NN000 X
107	2.8 2.8 71	166521	72220	00140	un n n o o	NNOOO E
• • •	00000	00000	00000	00000	00000	00000 R
52 4.2 1	2.7	10	2 2	.	0 0	CALM T
1229 1	40 175 291 141 647	1144 144 144 144	29 47 40 120	10 25 20 56	0 5 11 10 26	TOTAL 7 7 9 17 16 49
100.0	14.3 14.3 52.5	1.1 4.5 11.7 9.6 26.9	0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	412	2 0	PCT

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UNIMAK 157-165W		TOTAL OBS	274	236	199	227	379 936
AREA 0007 53N-CDAST	9	NH <5/8 ANY HGT	40.9	45.4	42.7	36.1	379
AR. 53	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	59.1	57.6	57.3	63.9	5 557
	ET, NH	8000+	•	€.		6.	in in
	ENCY DF CEILING HEIGHTS (FEET OCCURRENCE DF NH <5/8 BY HOUR	6500	4	4	3.	•	en er
10	S HEIG NH <5/	5000	1.1	•	10.	•	4 4
TABLE 10	EILIN	3500	3.3	1.3	2.5	1.8	212
	CY OF CURRENC	2000	14.6	11.0	8.0	12.8	27 105 208 111 2.9 11.2 22.2 11.9
	REQUEN DC	1999	1.8 12.8 18.2 14.6	3.0 10.2 22.9	23.6	3.5 12.3 25.1 12.8	208
	CENT F	666	12.8	10.2	3.5 9.0 23.6	12.3	105
	PER	300 599	1.8	3.0	3.5	3.5	2.9
		150	1.8	.	15	6.	10
970 970		149	5.1	7.2	8.5	9.9	6.7
1953-1970 1922-1970		HOUR (CMT)	60300	60390	12615	18621	T0T PCT
(PRIMARY) (OVER-ALL)							
96810D							

	AND/OR	TOTAL OBS	270	231	193	221	915
	~ a						
	Z D	<5/8 5+	38.9	39.0	40.4	32.6	345
	VSBY	AND					
	OF >4/8	1000+ NH <5/8 AND5+ AND 5+	32.2	31.2	31.6	37.1	302
12	NGES	A N	<i>m</i>				
TABLE 12	JF RA	(1000 (5	28.9	29.9	28.0	30.3	268
·	FREQ (<000 v	10.7	13.9	13.5	12.7	115 268
	EILING	<150 <600 <1000 <50YD <1 <5	4.8 10.7 28.9	7.4 13.9 29.9	6.7 13.5 28.0	7.2 12.7 30.3	59
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) CEILING HGT (FEET,NH >4/8),BY HOUR	HOUR (GMT)	60300	60390	12615	18521	101 PCT
	œ	TOTAL OBS	270	231	193	221	915
	Y HOUF	10+	61.5	58.4	50.3	54.8	519
_	(NM) BY HOUR	5<10	21.9	21.2	32.1	24.4	24.5 56.7
TABLE 11	Y VSBY	2<5	7.8	8.2	8.8	10.0	79
F	FREQUENCY VSBY	1<2	9°9	3.9	2.6	4.1	3.5
	PERCENT	1/2<1	1.9	5.6	5.6	1.8	20
	ŭ	<1/2	3.7	5.6	3.6	5.0	41
		HOUR (GMT)	60300	60390	12615	18621	T07

AREA 0007 UNIMAK 53N-CDAST 157-165W

45/49 35/39 30/34 25/29 20/24 TDTAL PCT	TEMP F		
	0-29 3	PERCEN	
	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP	
	0-49 5	UENCY	
0 4 0 0 1 0 0 4 p	0-59 6	OF REL	TAB
2.2 2.2 2.2 2.2 2.2 3.0 5.0	0-69 7	ATIVE	TABLE 13
4.7 8.7 2.5 .6 .6 136	0-79 8	HUMID	
14.1 6.0 1.0 1.0 225 29.1	80-89	ITY BY	
10.7 19.9 1.9 1.0 4.42	_		
1 1 2 2 3 5 5 5 7 7 3 1 1 1 1 2 7 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SBO		
1.6 23.9 46.3 17.7 5.6 3.5	FREQ	3	
9.74.00	z		
	NE	PERCI	
	NE.	PERCENT FRE	
1.9 3.1 5.6 1.6 	NE.	PERCENT FREQUENCY	
1.9 3.0 2.2 5.0 3.1 5.6 4.7 6.0 1.6 .6 .3 .1 1.1 .0 .0 .0 .0 57 74 61 91 7.4 9.6 7.9 11.8	NE E SE S	FREQUENCY	TABLE
1.9 3.0 2.2 5.0 6.0 3.1 5.6 4.7 6.0 7.5 1.6 6 3 1 4 1.5 0 3 1 4 1.1 0 0 0 0 0 1.1 0 0 0 0 1 57 74 61 91 118 7.4 9.6 7.9 11.8 15.3	NE E SE S SH	FREQUENCY	TABLE 14
1.9 3.0 2.2 5.0 3.1 5.6 4.7 6.0 1.6 .6 .3 .1 1.1 .0 .0 .0 .0 57 74 61 91 7.4 9.6 7.9 11.8	NE E SE S SH	FREQUENCY	TABLE 14
1.9 3.0 2.2 5.0 6.0 2.8 3.1 5.6 4.7 6.0 7.5 9.1 1.6 6 6 3 8 3.5 1.7 0 0 0 0 0 0 8 1.1 0 0 0 0 0 1 118 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	NE E SE S SH	FREQUENCY OF WIND DIRECTION	TABLE 14
1.9 3.0 2.2 5.0 6.0 2.8 1.7 3.1 5.6 4.7 6.0 7.5 9.1 6.0 1.6 6.0 3 .8 3.5 7.0 6.1 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2	NE E SE S SM M	FREQUENCY	TABLE 14

101	18621	12615	40300	60200	(GMT)	HOUR		
50	50	45	40	50	1	MAX	HE ANS,	
ţ,	44	43	40	4		% 66	MEANS, EXTREMES AND	
42	41	41	42	44		95x	SAND	
37	37	36	37	38		50%	PERCEN	1A512 17
25	24	26	25	25		5%	PERCENTILES OF TEMP . TEG F) BY	7.7
19	19	19	18	18		1%	OF TEM	
16	16	17	16	16		Z	ří	
35.9	35.5	35.5	35.7	36.7		MEAN	ě F	
						TOTAL	BY HOUR	
		•	•	60300	_		•	
0	ò	ò	ò	•		0-29	ERCENT	
18	1.0	1.2	3.6	3.5		0-29 30-59 6	FREQU	
	0	u	4	10		Ò	ENCY OF	
136	13.0	16.6	15.7	25.0		70-79	RELATI	TABLE 16
225	27.5	33.1	33.5	23.0		80-89	VE HUMI	16
52 196 225 342	52.2	43.2	42.6	38.5		90-100	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY	
86						MEAN	HOUR	
773	207	169	197	200	OBS	TOTAL		

AREA 000 UNIMAK	53N-CDAST 157-165W
	TABLE 17
PENIOD: (PRIMARY) 1953-1970	

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

_		
≭ 0		
101	11 10000000000000000000000000000000000	29 11 7 987 100•0
9.6	-40000000000000000000000000000000000000	000
7 4 0 80	0-1114-11-11-11-11-11-11-11-11-11-11-11-1	000011
44	004270040404040400000000000000000000000	110
97		41.
8 8	00000000000000000000000000000000000000	25.1
32	MANN	118
28	700000000000000000000000000000000000000	7.0.7.
21 24	000000000000000000000000000000000000000	7.6.4. 1.8. 1.8.
17	000000000000000	86.17.0
13		-1444
AIR-SEA TMP DIF	11/13 7/2 6 6 8 7/2 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-14/-16 -17/-19 -20/-22 TOTAL PCT

1

53N-CDAST	AREA 0007
157-165W	UNIMAK

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

T T T T T T T T T T T T T T T T T T T	нст	TOTAL PCT
000000000000000000000000000000000000000	5	
# # # # # # # # # # # # # # # # # # #	4-10	21
u	11-21	11-21 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.
M 1000000000000000000000000000000000000	E 22-33	N 22-3 33
	34-47	# + + + + + + + + + + + + + + + + + + +
	*	• • • • • • • • • • • • • • • • • • • •
**************************************	TOTAL	TOTAL 15 10 6 8 8 10 10 10 10 10 10 10 10 10 10 10 10 10
000000000000000000000000000000000000000	- -	N-00000000000000000
N 4000000000000000000000000000000000000	4-10	11.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
ы 1	11-21	11-21 1 - 21 1 - 21 2 - 20 3 - 17
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	22-33	22-33
N+000000000000000000000000000000000000	34-47	T C C C C C C C C C C C C C C C C C C C
	4 8	
	707	000000000000000000000000000000000000000

AREA 0007 UNIMAK 53N-CDAST 157-165W

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

Here 133 4-10 11-21		GRAND 17AN 1887 1877 1877 198 100 00 00 00 00 00 00 00 00 00 00 00 00
HTT 1-3 4-10 11-21 S2-33 34-47 44+ TOTAL 1-3 4-10 11-21 22-33 34-47 44- TOTAL 1-3 4-10 11-21 22-33 34-47 48- TOTAL 1-3 4-1	▼ ~ ~ .	4 10111 6.
Here is a constant of the cons	***************************************	
Here is a contract of the cont	3	4
Her T 1-3 4-10 11-21	2 6 · · · · · · · · · · · · · · · · · · ·	1
Her I 1-3 4-10 11-21 52-33 34-47 48+ TOTAL 1-2	1	1 1001
Herrical Series 34-47 484 TOTAL 11-21 52-33 34-47 484 TOTAL 11-22 54-47 64-4	- · · · · · · · · · · · · · · · · · · ·	7
HGT 1-3 4-10 11-21 22-33 34-47 48+ TDTA 11-21 22	1	1
HGT 1-3 4-10 11-21 22-33 34-47 48+ TDTA 11-21 22		# + C # C C C C C C C C C C C C C C C C
HGT 1-3 4-10 11-21 52-33 34-47 48 1-2	A 1	1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
HGT 1-3 4-10 11-21 22-33 34-4 1-2	0	
HGT 1-3 4-10 11-21 22-3 3-4	4	4
HGT 1-3 4-10 11-21	22 - 3	20 1
HGT 1-3 4-1 1-3 4-1 1-3 4-1 1-3 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4	1 2	12-1 0 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
A C C C C C C C C C C C C C C C C C C C	,	NN I
70 00 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	· · · · · · · · · · · · · · · · · · ·
	77 - 77 - 77 - 77 - 77 - 77 - 77 - 77	HCT

TABLE 19

PERCENT
FREQUENCY
Ę
HAVE
HE I GHT
(FT)
VS
HAVE
PERIOD
(SECONDS)

(SEC) (SEC) (SEC) 660 607 600 601 1201 1201 1201 1201 1201 1201 1
.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
8 5
3-4 14.6 3.7 1.9 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
7-8 6-1 1-6 1-6 -2 -2 16-5
7.0 11.9 11.5 10.0 10.0
11.000.0000
10-11
12 1 1.0 1.0 1.0 1.0 22 22
2.16
17-19 2
20-22 2
23-25 2
000000000000000000000000000000000000000
61-70 7 .0 .0 .0 .0
71-86
70TAL 258 145 77 43 14 5 76 618 100.0
HE AN HEAN PAGE 1

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AREA 0007 UNIMAK 53N-CDAST 157-165W

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

T074L 585	67	33	36	41	4.4	32	64	20	87	69	92	42	142	104	66	49	0	28	1096	100.0
TENA ND S I G WEA	5.1	5.6	2.2	2.5	2.8	1.7	2.5	5.6	5.1	4.4	6.5	5.7	11.8	8.8	8.3	3.8	•	2.3	863	78.1
HER PHENDHENA DUST NO BLWG DUST SI BLWG SNOW WE	•1	•	•	•	•2	•	•	•	٠.	•	•	•	•		•	•	•	•	50	E
M m m		•	•	•	•	•	•	•	•	-	.2	•	.1	•	•	•	•	•	•	•5
DTHER WE FOG SMOK	6		7	6	5	5	ň	9.	1.0	.2	*	5.	.2	•	•	٠,	•		29	5.4
LTNG	0	•	0	0	0	•	•	•	•	•	•	0.	•	•	•	•	•	0	0	•
TOTAL PCPN OBS	•	m	11	11	9	7	16	14	19	18	15	8	01	9	€	9	0	2	163	
PCT FREQ PCPN AT OB TIME	• 5	6.	1.0	1.0	• 5	•	1.5	1.3	1.7	1.6	1.4	• •	6.	٥.	.7	5.	•	• 5		14.9
HAIL	0	•	•	•	•	•	•	-	•	•	-:	-:	•	•		•	•	•	9	•5
OTHER PRZN PCPN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	7.	-	•
SNOW	.5	7	.3	•2	•	6	• 5		• 5	•3	4.	•	• 5	• 5	4.	• 5	•	•	45	4.1
PRECIPI FRZG PCPN	0.	•	٠.	•	•	0.	•	•	•	•	•	•	•	•	•	•	•	0.	→	7.
DRZL	•	•	4.	.2	*.	.2	*	.5	6.		.3	e.	e.	-:	•	۲.	•	•	48	4.4
RAIN	.1	•	•	.2	•	•	•	•	•	•	•5	°.	•	-:	•	-:	•	•	7	ó
RAIN	0	•2	e.	5.	•2	6	1.0		8.	8,	5.	•1	• 5	.1	•1	•	0.	• 1	49	5.8
WND DIR	z	SNE	S.	ENE	ш	ESE	SE	SSE	S	SSW	NS	MSM	*	Z Z	Z	3 Z	VAR	CALM	TOT 085	TOT PCT

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	TOTAL OBS	305	278	266	262	1111	100.0
	HENA NO Sig Wea	76.7	80.9	77.8	79.4	874	78.7
	DTHER WEATHER PHENDMENA FDG SMOKE DUST NO MD HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	1.0	*.	•	4.	80	٠.
2	R WEAT SMOKE HAZE	7.	.7		•	•	.5
5	FOG WO PCPN	8.2	5.4	4.5	3.4	61	5.5
COUNTRION	THDR	•	•	•	•	0	•
20 41111	TOTAL PCPN OBS	41	35	4.5	44	165	
	PCT FREQ PCPN AT OB TIME	13.4	12.6	16.9	16.8		14.9
	AIL					9	
	ITATION TYPE SNOW OTHER HA FRZN PCPN	•	•	•	4.	7	⁻:
	SNOW (4.6	3.2	5.3	3.8	47	4.2
	PRECIPIT FRZG PCPN	•	•	4.	•	-	۲.
	DRZL	3.3	4.3	4.9	2.0	48	4.3
	RAIN	6.	1.1	4.	€.	~	9.
	RAIN	4.9	4.3	0.9	8	49	5.8
	HOUR (GMT)	60300	60390	12615	18621	T0T	PCT

TOT CALLER VALUE OF TOT OBS	WND DIR	TTTC TTTC TTDCZZ W W W M M M Z TCDXZZW W W W W M M M M M M M M M M M M M M	PERIOD:
2	0-6	u v	(PRII
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7-16 EIND	90 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	(PRIMARY) (OVER-ALL) 0-3 4-10
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SPEED 17-27	\$\text{00} \text{00} \text	1954-1970) 1902-1970 WIND SPEED 11-21 22
7.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	(KNDTS)	20 11 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(KND
## 0 N W N N N O P N	1 +	NO NON NO	CENTAG S) 34-47
112 85 118 179 204 204 176 1283	TOTAL OBS	47 OLONOOOLOLLOOOOL	E FREQUENC
100.0 100.0	TO POCT	1283 1283 1283 1284 1286 1288 1488 1888 1888 1888 1888 1888 1888	S Y
17.0283	MEAN BE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TABLI DF WIND PCT FREQ
,	m ស >	1 1100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	E 3 DIRECTION SPD
10.4 6.4 9.5 113.1 121.1 13.8 1.8 1.8 1.8 1.8 1.8	0		8 ≺
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	03	10 10 10 10 10 10 10 10 10 10 10 10 10 1	SPEED A
000000000000000000000000000000000000000	0		o N
11.1 11.1 11.1 11.1 22.2 5.6 38.9 0 0 100.0	ноия 90	0700048577770770	BY HOUR
100 100 100 100 100 100 100 100 100 100	(CMT)	040001100004000000000000000000000000000	0 5 A SUR
100 100 100	N ~	11111 11111 11111 11111 11111 11111 1111	REA 000
	<u> </u>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6	00 00 00 00 00 00 00 00 00 00 00 00 00	157-165 _w 157-165 _w 12
60000000000000000000000000000000000000	21		v 1 .
			œ
		00000000000000000000000000000000000000	21

APRIL

TABLE 4 SAN-CDAST 157-165W	PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)	SOURCE TOTAL PCT TOTAL STATE TO TAL STATE TO TALL ST	5.9 .6 1.7 17.6 100.0 354 6.8 .3 2.8 17.2 100.0 325 2.8 .0 3.8 15.7 100.0 288	1.3 2.2 17.6 100.0 7 33 17.1 .5 2.6 100.0	TABLE 6	PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8)
	FREAUE	W500 22-35	22.3	25.0 279 21.7		
	ENTAGE	11-21	46.0 42.2 43.8	42.4 560 43.6		HTHS)
	PERC	1-3 4-10	21.5 25.5 28.5	20.3 305 23.8		NT (E10
		1-3	2.5	4.1 33 2.6	50	AMDU
1954-1970 1902-1970		HOUR	00£03 06£09 12£15	18621 10T PCT	TABLE	TAL CLOUD
PERIOD: (PRIMARY) 1954-1970 (OVER-ALL) 1902-1970						PCT FREG OF TOTAL CLOUD AMOUNT (EIGHTHS)
PERIOD:						PCT

45

TOTAL OBS <5/8 AN Y 8000+ WIND DIRECTION 6500 7999 -000000000000000047 NH <5/8 BY 3500 2000 OCCURRENCE OF 1000 8..4.W.4.W.0..4.0.F.B.W.W.4.0.V.0.V. 9900 9900 9900 9900 9900 11003011011011001001 MEAN CLOUD COVER TOTAL WIND DIRECTION 8 & 085CD 8 0-2 WND DIR

AREA 0007 UNIMAK 53N-COAST 157-165W

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

TOTAL		QR.	무	무	OR	OR.	R	R	2	무	Î	CE	
AL NUMBER	TOTAL	0	>150	>300	>600	>1000	>2000	>3500	>5000	>6500	(FEET)	ILING	
묶	315	32.2	32.1	32.1	31.4	26.7	12.0	5.2	1.0		>10	무	
OBS: 979	510	52.1	51.0	50.3	48.2	38.7	17.4	5.9	1.2	.7	> 5	밌	
•	575	58.7	56.5	55.8	53.0	42.3	18.5	6.1	1.4	• 9	> 2	• OR	
	406	61.9	58.2	57.1	53.7	42.9	18.6	6.2	1.5	1.0	¥	무	VSBY (N
PCT FREQ											>1/2		3
NH <5/8:	637	65.1	58.9	57.8	54.3	43.3	18.7	6.3		1.1	>1/4	유	
33.8	647	66.1	59.0	57.9	54.3	43.3	18.7	6.3	1.6	1.1	>50YD	9	
	648	66.2	59.1	58.0	54.4	43.4	18.8	6.3	1.6	1.1	>	r P	

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 GBSCD GBS 7.9 3.9 7.1 7.4 7.4 6.6 11.9 9.8 32.0 6.0 1051

		PCT	25.0	4.00	12.5	W 4 8	23.6	2.7 52.7 55.4	100.0
		TOTAL	9 22 89	10 17	15	4 4 80 0 80 80	51 258 309	30 575 605	1092
		CALM	0.1.1	000	000	0.1.1	4.10	1.8	28
3 .60	_	VAR	000	000	•••	•••	000	000	00
UNIMAK 157-165W	PRECIPITATION	Z	-:0-	000	101	0 - m	1.6.1	2.9	4.5
0007 DAST	RECIP	Z	000	.01	7.7		1.9	6.5	96
AREA OUO7 53N-CDAST	占	Z	000	000	000	12,	1.8	4.07	104
	DR NON OCCURRENCE VISIBILITY	3	0.1.1	200		40.0		8.2 90	141
	IBILIT	MSM	044	000	0,1,0	- w 4	1.7	4 0 80 1	74
	OF VISIB	NS.	v.w	000	44.0	2.5	2.5	6.04	91
т. 80	DCCURRENCE 1	MSS	4	707	200	440	1.5	2.3	69
TABLE	VARYING V	ν	onn	0,0,0	ผพิณ	7.	1.9	2.5	8.0
	ECTION	SSE	0,00	044	4	440	1.00	1.4	4.5
	O I	SE	0,10	4.4.8	4-10	4 4 10	200	1.6	4 • 4 4 • 4
	OF WIND	ESE	.0.1	0,40	n n 4	w	.7	1.0	32
	FREO	w	9.51	000	7.72	4.n	1.1	1:7	4 4 4 0
	PERCENT	ENE	-0-	000	4 W-4	4 10	1.1 1.3	1.5	3.8
	.	ш 2.	5. T. W		000	4.070	40.0	1.5	36
1954-1970 1902-1970		N. M.	0 17 17	1.0.1	1.0.1	000		1.0	33
(PRIMARY) (OVER-ALL)		z	0.1.1	000	w 0 w	000	1.6	3.01	68
			PCP NO PCP TOTAL	TOTAL PCT					
PE? 100:		VSBY (NM)		1/2<1	142	2<5	5<10	10+	

0-3 4-10 11-21 70TAL 0-3 4-10 11-21 22+ TOTAL 0-3 4-10 11-21 22+ 22+ 0-3 4-10 11-21 22+ TOTAL N.... DIWO WNIO 00000 POPOO WONOO 0-000 0000 0000 0000 0000 0000 0010 0110 0010 0440W 1.2 95550 UNNEO UNNEO NEOFO UNEO 00111 00114 00114 01170 7 9 9.... 9.... 1.... 5... 5.... 5.... 5.... 5.... 5... 5.... 5.... 5.... 5.... 5.... 5.... 5.... 5.... 5... 20.1 2.61 2.... 82910 0000 0000 0000 233 1.8 1440H MV0HO PHOOO OCOOO PHOOO 00000 00000 00000 00000 00000 12 9 27 420

L NORLY CONTAIN TRUM MONDE SOUMS LYSOS C

5<10

10+

2<5

1<2

<1/2

(NM)

PERIOD: (PRIMARY) 1954-1970 (OVER-ALL) 1902-1970

1/2<1

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UNIMAK 157-165W		TOTAL OBS	281	251	225	250	1007
		NH <5/8 ANY HGT	34.9	30.7	40.9	35.2	355 35.3
AREA 0007 53N-COAST	ON	ANA					
AR	>4/8),4	TOTAL	65.1	69.3	59.1	64.8	652
	FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8), AND OCCURRENCE OF NH <5/8 BY HOUR	8000+	4.	80	•	•	w w.
	17S (F 3 BY H	6500	4	1.2	1.3	4	œ œ
10	G HE J GF NH <5/8	5000	.7	4.	•	φ.	in in
TABLE 10	CEILIN	3500	0.9	5.5	3.1	3.6	4 4
	CY OF CURREN	2000	16.4	10.0	8.0	13.2	122 12.1
	REQUEN	1000	21.7	27.9	23.1	24.0	243
	PERCENT F	666	9.6	12.7	8.0	12.0	109
	PER	300	2.1	4.4	4.9	2.8	35
		150	.7	φ.	•	5.4	12
970 970		000	7.1	0.9	8.9	5.6	69
1954-1970 1902-1970		HOUR (GMT)	60300	06609	12615	18621	T0T PC1
PERIOD: (PRIMARY) (OVER-ALL)		9 .					
PER 100:							

i

(NM) AND/OR HOUR	B TOTAL DBS	271	243	222	243	979
HOUR	m					C.
	55/2	32.8	29.5	39.6	32.1	326
VSBY	N. A					
GES UF NH >4/8	1000+ AND5+	45.4	41.2	31.1	39.1	70 123 274 379 7.2 12.6 28.0 38.7
OF RAN (FEET,	<1000 <5	24.7	29.6	29.3	28.8	274
FREQ G HGT	6 000	10.3	13.6	14.9	11.9	123
IVE PCT CEILIN	<150 <50YD	7.4	9.9	0.6	5.8	70
CUMULAT	HOUR (GMT)	60300	60390	12615	18621	101 PCT
	TOTAL OBS	172	543	222	243	979
8Y HOUR	10+	66.1	58.8	52.7	57.2	258 578 979 26.4 59.0 100.0
(WN)	5<10	19.6	26.3	34.2	26.7	
Y VSBY	2<5	5.9	9.9	6.8	9.1	7.0
FREQUENC	1<2	3.3	3.3	2.7	3.3	3.2
PERCENT	1/2<1	1.5	1.2	•	2.1	12
_	<1/5	3.7	3.7	3.6	1.6	3.2
	HOUR (GMT)	E0300	60390	12615	18621	TOT
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) BY HOUR CEILING HGT (FEET,NH >4/8),BY HOUR	PERCENT FREQUENCY VSBY (NM) BY HOUR <1/2 1/2<1 1<2 2<5 5<10 10+ TOTAL OBS	PERCENT FREQUENCY VSBY (NM) BY HOUR <1/2 1/2<1 1<2 2<5 5<10 10+ TOTAL 0BS 3.7 1.5 3.3 5.9 19.6 66.1 271	PERCENT FREQUENCY VSBY (NM) BY HOUR <1/2 1/2 1/2 1 1<2 2<5 5<10 10+ TOTAL 0BS 3.7 1.5 3.3 5.9 19.6 66.1 271 3.7 1.2 3.3 6.6 26.3 58.8 243	PERCENT FREQUENCY VSBY (NM) BY HOUR (1/2 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2	PERCENT FREQUENCY VSBY (NM) BY HOUR (1/2 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<1 1/2<2 2<5 5<10 10+ TOTAL OBS 3.7 1.5 3.3 5.9 19.6 66.1 271 3.7 1.2 3.3 6.6 26.3 58.8 24.3 3.6 .0 2.7 6.8 34.2 52.7 222 1.6 2.1 3.3 9.1 26.7 57.2 243

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TABLE 13

PCT	TOTAL	25/29	30/34	35/39	40/44	45/49	50/54	E AKW		
•	•	•	•	•	•	•	•	0-29 30-39 40-49 50-59 60-69	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP	
•	o •	•	•	•	•	•	•	0-39 4	TFREQ	
2	N°0	•	•	•	.2	•	•	0-49	UENCY	
1.3	Ξ.	•	•	. 7	•	•	•	50-59	OF RE	TΑ
7.2	6.0	•	1.3	2.3	2.2	1.0	Ġ	60-69	LATIVE	TABLE 13
15.4	135	•5	2.2	6.6	5.4	.7	<u>:</u>	70-79 80-89	HUMID	
30.5	2 · 0	•5	3.0	16.1	9.9	.9	.2	80-89	ITY BY	
45.4	399 5	1.7	5.8	25.6	11.3	• 6	•	90-100	TEMP	
9	878	23	107	450	259	28	7	085		
	100.0	2.6	12.2	51.3	29.5	3.2	• œ	FREQ.	3	
9.2	æ:	1.0	1.9	3.6	1.9	·	•2	z		
6.3	я • л О	<u>.</u>	@	8	1.1	•2	•.	Z	PE	
6.9							10	•••	E CE	
	20	•	œ	3. 6	2.5			m	CENT FRI	
9.6						•	•	m SE	CENT FREQUENCY	
9.6 14.2	0 .0	0.	•2 •2	6.2 6.9	2.5 6.7	.0 .5	.0 .2 .0	m SE	CENT FREQUENCY OF W	TABL
9.6 14.2 15.5	0 .0 .0	0. 0.	.2 .2 .8	6.2 6.9 9.1	2.5 6.7 5.1	.0 .5	.0 .2 .0 .0	m SE	RCENT FREQUENCY OF WIND DI	TABLE 14
9.6 14.2 15.5 22.4	.0 .0 .0 .1 86 125 136 197	.0 .0 .7	.2 .2 .8 3,0	6.2 6.9 9.1 10.4	2.5 6.7 5.1 7.5	.0 .5 .3 .5	.0 .2 .0 .0 .0	E SE S	RCENT FREQUENCY OF WIND DIRECTION	TABLE 14
9.6 14.2 15.5	.0 .0 .0 .1 86 125 136 197	.0 .0 .7	.2 .2 .8 3,0	6.2 6.9 9.1 10.4	2.5 6.7 5.1 7.5	.0 .5 .3 .5	.0 .2 .0 .0 .0	E SE S	RCENT FREQUENCY OF WIND DIRECTION BY TO	TABLE 14
9.6 14.2 15.5 22.4	86 125 136 197 126	.6 .0 .0 .7 .8	.2 .2 .8 3,0 4,3	6.2 6.9 9.1 10.4 6.7	2.5 6.7 5.1 7.5 1.6	.0 .5	.0 .2 .0 .0 .0	E SE S SW W	PERCENT FREQUENCY OF WIND DIRECTION BY TEMP	TABLE 14

TABLE 15

TOT	18621	12615	90390	50300	(GMT)	HOUR		
51	51	40	50	51		I A X	MEANS, E	
4	40	43	49	50		%	MEANS, EXTREMES AND	
\$	43	41	43	47		95%	SAND	
9	38	37	ى 8	40		50%	PERCENTILES OF TEMP (DEG F) BY	TABLE 15
30	30	30	30	31		5 %	TILES	15
25	25	25	24	25		1%	OF TE	
22	23	22	22	24		¥ 1 2	MP (DE	
37.9	37.3	36.9	37.9	39.3		MEAN	6 F)	
1277	316	288	325	348	280	TOTAL	BY HOUR	
101	18621	12615	60390	60300	(GMT)	HOUR		
	_	u	Ψ	w	_		PERCEN	
	_	u	Ψ	w	_		PERCENT FREQU	
	_	u	Ψ	w	_		PERCENT FREQUENCY OF	
	_	u	Ψ	w	_		PERCENT FREQUENCY OF RELATI	TABLE
	_	u	Ψ	w	_		PERCENT FREQUENCY OF RELATIVE HUMI	TABLE 16
	_	u	Ψ	w	_		PERCENT FREQUENCY OF RELATIVE HUMIDITY BY	TABLE 16
0 13 64 136 269 400	1 .0 .9 4.8 13.1 30.6 50.7	5 .0 .5 2.3 14.7 31.0 50.5	Ψ	3 .0 2.9 10.3 20.2 28.5 38.0			PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR	TABLE 16

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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

FOC	1.2		W W	5.8	6.2	6.9	9.0	4 4	2.9	9.6	4.46
≥D O	00-	om	. ev e	r. 4	ະນີ ຄົ		2	~ <	0	55.1	5.6
101	4 Z I I	1 TH M	4.5	64	85	45	61	46	28	979	100.0
49 52	240	7.7.5	00	0.7	00	00	0.0	0.0	0	• •	1.0
4 4 8 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	44	400	12.	70.	0	0.1	0.0	0.0	0	5°0	2.7
4 4 4 4	077	2.2	1.7	1.7	.9	::			0	167	17.1
40	0,00	22.	2 5	40	4.4	3.2	1.7	1.2		491	50.2
	000										
32	000	000	00	C` →	7.7	2.1	0 1	1.6	1.2	. 9	6.1
	000										
21 24 24	000	000	00	00	•••	00	00	0.7	7		6
AIR-SEA TMP DIF	11/13 9/10 7/8	o n 4	. w v	-0	-1	L 4	r, 4	-7/-8	-11/-13	-14/-10 TOTAL	PCT

	3		101	4	. 00	10	m	~	m	0	0	7	0	0	o c	•	• 0	0	0	0	0	58	6.8		TOTAL	• •	'n	11	15	Λ·	o «	,	10	0	0	0	0	0	0	0	0	0	0		11.9
24.7	157-165W		707	9	9	0	•	0	•	•	•	•	•	•	•	•	0	•	•	•	•	0	•		48+	•	•	•	0.	•	•	•		•	•	•	•	•	•	c.	•	•	°	0	•
7000	SAN-COAST	(FT)	NE 34-47		0	3	0.	0.	.5	•	0.	• 5	•	•	•		0	3	0.	•	٥.	m	.7	SE	34-47	•	•	0	•	,,	10		0	•	0	0.	0.	•	0.	•	•	0.	•	m i	
4	53N	HEIGHTS (0	0	6	.2	•2	.2	•	•	•	•	•	•		0	•	0.	•	•	7	1.6		22-33	•	•	5	1.4	•	10		0	•	•	•	•	•	•	•	•	•	•	16	3.7
		SEA HE	11-21	•	6	7.	• 5	•2	•	•	•	•	•	•			•	3	0.		•	0	2.1		11-21	?	.5	6.	1.9	, u	9			0	•	o.	•	•	•	÷.	•	•	•		4.2
		VERSUS	0 (- 4	1		.7	• 5	•	•	•	°.	•	0.0	•		0	•	•	•	•	•		1.9		4-10	•2	.7	1.2	2.0				•	•	•	•	•	•	•	Ċ.	•	•	0	13	3.0
APRIL	ABLE 18	D DIRECTION	-		.2	•	0.	•	•	•	•	•	•	•		0	•	•	•	•	•	2	••		1-3	·	•	•	•	•	7 0		0	•	•	•	•	•	•	•	•	•	•	→ (7.
•	1.4	(KTS) AND	TOTAL	2	80	12	Ç	4	2	-	7	0	0	0	0	0	0	0	0	0	0	4	9.6		TOTAL	4		11	۰ ۵	7 -	•		m	0	0	0	0	0	0	0	0	0	0 (1.1
		SPEED	184		0	0	•	•	•	•	•	o,	•	•	9	•	0	•	•	•	•	0	•		48+	•	•	•	•		•		?	•	•	•	•	•	•	•	•	•	•	0 0	•
		OF . IND	74-45		•	•	•	•	•	•	• 5	•	•	•	0	•	3	•	•	°.		-	•5		34-47	c.	•	•	•	•		C	•	•	0.	•	•	•	•	•	•	•	•	→ (7.
		FREQ	N 22-33	•	•	•	.7													0.	•		2.1	ш	22-33	•	•	•	•	,	C	0	7.	0	•	•	•	•	0	•	٥	0	0,		1.2
	0,	PCT	11-21	•	•	2.1	.5	.7	•5	•	•		•							•		→			11-21	•	•	2.1	•		•	0	•	•	•	•		•		•	•			17	
	1963-1970		4-10	•	1.9	.7		•	•	0	0	•			0	•		•	•		0	→			4-10	0.	6.		·	Ç	•	0			٥.				•	•				2,5	
(> 0 V M	Y-ALL)		-	•	•	•	•	•	•	•	0	•	•	•	0	•	•	•	•	o.	•	→ (• 5		1-3	•	•				•					•	٠.	•	•				÷	> 0	•
DERION: (DD1)	(DVE		HGT	7	1-2	3-4	9-6	7	6-8	10-11	12	3.	1	300	26-32	3-4	1-4	9-6	1-1	1-8	8	TOTAL	PCT		HGT	♥.	1-2	3-6	0 -	- 1	10-11	~	7	7	20-22	-2	Ü,	4	\$	o i	-	φ,	ti	10. AL	

1

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																						CRAND	56	49	114	60	16	25	2	=	~ (0	0	0	0	o c	0	0	100.0	
3E		TOTAL	•	13			m v	o	7	0	0 0	> 0	0	0	0	00	0	67	15.7			IDIAL	7	~	14	•	o a	•	~	*	~ 0	0	0	0	00	•	0	۱ -	13.3	
UNIMAK 157-165		48+		0.0		0	o c	•	•	•		•	•	0.	0	•			•			+ D +	•	•	0	•	•	•	•	0	o c		•	•	c c	•	•	•	•	
AREA 0007 53N-CDAST	FT)	SW 34-47	•	0 0	•	٠. د	7.		•	0	•	2	0	•	•	•	•	6	.7			34-46	0.	•	•	٠, ۱	7.	. 7	0	• 5	0	•	•	0	0,0	•	0	•	1.9	
ARE 53N	IGHTS (0.1				2 7		0	0.0		•	•	0	o c		14	3.3			66-77	•	•	5	2.	, .		5	.2	•	•	•	0.	0,0	•		2 :	2.8	
	SEA HE	11-21		2.6	• •	•	•	. 0	•	0	•	•	0	•	•	•	•	35	7.5			17-11		•		•	7 .				• •				•		0		5.6	
	VERSUS	_	1.2	•	.2			•		0		•		•		o c		1.8	4.2		•	01-+	• 5	1.2		o c	, c		•	•	0 0	•	0	•	• •	9	0.	2 :	2.6	
ii. E 18	DIRECTION	1-3	0.	0.0	•	0.	•	•	•					•	•		•		•			C-T	.2	.2		•		•	•	•	0,0	•	0.	0.	•	•		•	A 10.	
APRIL Table	(KTS) AND	TOTAL	6		13		u n	n m	0	0	0 0	00	0	o	0	00	0	49	15.0			I O I A L	4		18		٥٢		-	- (7 0	0	0	0	0 0	. .	0	2	20.1	
	SPEED	48+	0.	• •	9	0,	o c	•	•	•	•	•	•	•	•	•	•	0	•			•	•	•	•	•		•	•	0.	•	•	0	•	• •	•	0.	•	o.	
	OF WIND	34-47	0	000	?	۲.	o .	. 0	0	0	•	0				0.0			1.2			1+1+0		•	•	•	•	0	•	• 5	0 0		0	•			0		•5	
	T FREG	S 22-33	0.	0,7	1,2	ۍ .	0,0	1.0	•	0	• ·	0	0	•	0	0 0	0	_	3.0	,	,	ce_33	•	•	•	7.7	1.6	•	• 5	0.1	0.0	•	0.	0	ွင့	0	0	. 6	6.8	
2	PC		01	• •	1.4	•	•		•	•				•	•	000	•	3	7.0		;	17_11	0	•	5.6	•	1.2	•							• •	•	0.0	2 .	8.6	
1963-1970			2,1															-			01-7	1	•																4.2	
MARY) R-ALL)		1-3	'n,											•				7	5.		1-3	1	•	2.	•		•	0	•	•	•	0	•	•		•	0,0	? -	• 7•	
ERIOD: (PRIM		HGT	ζ.	7 - 1	•	~	10=1	12	3-1	17-19	3-0	6-3	3-4	1-4	9-0	1-8	87+	-	ပ		100	2	₹.	7-1	4 4	0-0	8-9	10-11	12	3-1	0-2	3-2	6-3	7	1	1-7	1-8	- ۱	PCT	

. 407 02	
ER 100 i	
	(DVER-ALL) 1963-1970

HGT 0-3 4-10 11-21 22-33 34-47 48+ TDTAL 11-2 22-37 44-7 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				TABLE	TABLE 18 (CONT)	CTN			AREA 0007 53N-CDAST	UNIMAK 157-165W
5.6		UIND		(KTS)	VS SEA	HE I GHT	(FT)			
		6-0	4-10	11-21	22-33	34-47	48+	TOTAL		
7 8.9 7.7 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		5.6	4.7	•	•	•	0	94		
10. 16. 16. 16. 16. 16. 16. 16. 16. 16. 16		.7	8.9	4.7	•	•	0.	64		
1.6 10.5 4.0 1.6 1.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		.2	6.1	14.7	4.0	•	•	115		
2 2 3 3 1 1 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	_	•	1.6	10.5	0.9	4.	0.	83		
2.9 4.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0		•	6	5.8	3.1	1.6	0	51		
		•2	.7	2.9	4.0	1.6	0.	42		
	_	•	4.	1.3	2.9	6.	0.	25		
		•	•	.2		4.	•	10		
	9	•	•	.†		.7	•	11		
	•	•	•	•			0.	2		
	7	•	•	•			0	0		
	5	•	•	•			•	O		
0.000000000000000000000000000000000000	2	•	•	0			•	0		
0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0	0	•	•	•			•	0		
.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	6 0	0.	•	•			•	0		
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0.	0.	•			•	0		
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	•	•	•			0	0		
30 107 182 105 25 0	9	•	•	•			0	0		
30 107 182 105 25 0		•	0	•			0	0		
47 33 8 40 E 33 4 E 4 C	_	30	107	182			0	644		
0. 0.6 1.62 6.01 0.62 1.0		6.7	23.8	40.5			•	100.0		

TABLE 19

	MEAN	- *	•	7	•	6		0	5	
	TOTAL	214	126	85	**	16	0	72	557	100.0
	87+	?	•	•	•	•	•	•	0	•
	71-86	•	•	•	•	•	•	•	0	•
	61-70	•	•	•	•	•	0	•	0	•
	49-60 61-70 71-86	•	0	•	•	•	•	•	0	•
S)	41-48	•	•	•	°	•	o.	•	0	•
SECONDS	13-16 17-19 20-22 23-25 26-32 33-40 41-48	•	•	•	°	•	•	•	0	•
PERIOD (26-32	•	၀	c	઼	•	•	•	0	•
WAVE PEI	23-25	•	•	•	•	•	•	•	0	•
N S M	20-22	0.	•	•	•	0	•	3	0	•
HEIGHT (FT) VS	17-19	0	•	•	*	•	•	•	•	•
E HE16	13-16	*	•	4.1	1.3	*	•	0	17	9.0
UF WAV	12	4.0								
DENCY	8-9 10-11	1.3	7.7	6.7	•	1.1	•		*	•
FREG	6-8	2.7	200	6.3	. '	•	•	2	o :	11.2
PERCENI FREQUENCY OF	7	8.0								
	2-6	8.3	• •	7.0		•	•	. 6	, ,	* • • • •
	3-4	12.0		•	•	•	•	9 6	17 /	11.1
	1-2	7.4	• -	→ (,	9	•	• •	3 6	
	₹									
	PERIOD (SEC)	6	0	10-11	12.12	21.7	TACET	1017	1	•

TOTAL	085 89	64	0 40 0 00	121	112	69	113	100	81	163	48	135	5 0	63	1529	100.0			TOTAL OBS	717	1 2 2	371	383	1555	100.0
UNIMAK 157-165W FENDMENA ND	SIG WEA	2.4	2.0	4.6	3.8	2.5	4 6	5.4	4.7	6.6	2.1			3.7	7	76.7			PHENDMENA UST NO G DUST SIG G SNOW WEA	7 77	17.	79.8	73.1	1195	0
AST AST ER PH DUST	BLWG DUST BLWG SNUW	0.0	?:	•	00	•	0 0	•	•	•	•	9		•	-				# 0 3 3	•		•	ű.		:
REA 3N-C CTIO		0	•	•	::	•	• -	7	•	·	•	- 0	•	7	10	.,		HOUR	S WEAT SMOKE HAZE	1, 2	7 .	. n	₩.	01	?
MIND DIRE DTHER FDG SK	PCPN NGO4			1.2	1.2		ه در		.2	6	-	:-		. "	122	8.0		8Y H	FDC NAOY	7 8		6.2	4.6	123	•
BY THDR	LTNG	C	20	0.	़	0.	0 0	•	•	0.	•	0	•	0	0	•		OCCURRENCE	THDR	c	•	•	0	5 C	•
	9CPN 08S 8	0 5	16	32	34	21	2 2	10	•	13	4 1	~ a	0	0	223		,E 2	WEATHER D	TOTAL PCPN OBS	8	2 4	51	63	927	
F WEA	PCPN AT 08 TIME	90	1.0	2.1	2.5	1.4	1.6	.7	4.	6.	ů,			•		14.6	TABLE	8	PCT FREQ PCPN AT OB TIME	~	1	13.7	•	14.5	•
ENCY D	•	0.0	? ?	•		0	• •	•	•	•	•	9		•	0	•		FREQUENCY	HAIL	•	•		0.	0 0	•
FREQUENCY TYPE OTHER HAI	PCPN PCPN 0	•	??	•	? ?	•	•	•	•	•	•	•	0	0	0	•			TYPE OTHER FRZN PCPN	c		•	•	0 0	•
ENTAGE TATION SNOW (7	0,	::	.2	•	7	•	•	٠.	7	-•	? -	0	0	12	•		PERCENTAGE	SNDW (,	• •	'n	1.3	£ 1	
PERC FRZG	N O	•			00		0			2	•				0	•			RECIPI FRZG PCPN		0	0	0.0	o c	
DR.24	~> m	1.	•	1.0	, ru		•	6	• 5	•	~ <	• •	0	0	96	6.3			DRZL	F.	8	6.7	0.9	6.2	; >
-1969 -1969 RAIN	I	•	. 0	0		0.	-0	۲.	•	-:	•		0	•	9	4			RAIN	5	5	, e	ů,	0 4	;
1953 1909 181N		ري. در	. 47	1.0	1.8		1.0	5.	• 1	• 5	•		0	•	117	7.7			RAIN	7.9	6.8	6.5	4.6	7.7	:
(DVER-ALL) (OVER-ALL) MND DIR F	z	NN NE	ENE	шű	S S	SSE	NS S	MS	MSM	*	Z Z	: 3 : Z	VAR		TOT 085	9			HOUR (GMT)	60503	60390	12615	18621	100	
PERIODI																									

PER I OD 1

AND DIR

1

3

GE 050

WND DIR

								TOTAL 08S	73	72 62	103	28	100	92	145	131	8 4 C		1356
						>4/8)		NH <5/8	1.88	1.5	1.4	0.4		2.1	4.1	2.7	6°0	2.2	441
4K 165¥						(FT,NH >	TION	8000+	-0.	o c	0.0	000	0-		•	- •			4 w
UNIMAK 157-16						S	DIRECT	6860	00	-0	- 0		000			00			w 4
4 0007						HEIGHT	MIND	5000	-0.	-:	00	0.0			. 2		00	0	.7
AREA (. پ	ထားလှည်း စာ			CEILING	/8 BY	3500	w		w 4	7.0	10.0	י ש ^י ת		4.	w 0	m ;	4.7
	~	T0TA 08S	468 419 385 446 1718		ABLE 6	P	NH <5	2000	40	4 4	6.4	4.	1.3	141		1.2		• (129
	(GMT)	PCT FREQ	1000.00		TAB	FREQUENCY	ENCE OF	1999		. e.	2.3	•	10.6	• •	•				325
	Y HOUR	MEAN	15.00				CURR	666	r. 6.1	- 60	• •	0.0	• •	1.5	1.2	• • •	•••		4 0
4	SPEED B	CALM	WUL 1 L B			ERCENTAGE	AND DC	300	7.7	.1.	e	50	4-	~ ~	4.	. .	o	2:	4.0
TABLE	S QNIM	KNOTS)	*********			9		150 259	000	, m	- 0	7.	40	00	200	۰.	00	0	23 1.7
	QUENCY OF	SPEED (W 1 2 W 1 W 1 W 1 W 1 W 1 W 1 W 1 W 1 W	•				000	7.5		1.3	1.8		44	4	: :	0		117 8.6
	FREQUE	WIND 22-33	18.6 17.7 18.7 29.5																
	PERCENTAGE	11-21	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	•		(EIGHTHS)	4	LOUD	5.1										•
	PER	4-10	28.0 28.0 28.0 50.7				7	ral c	44	9	103 69	87	89	92	145	bω	8 4 0	1 0 11	0.0
		1-3	0404 M		10	CLUUD AMDUNT	DIRECTION	TOT 0	0 1 0	, ,	04	4 00	٥,	0 40	9 4	5 C	N O	0 4	1 0 E
3-1969 9-1969		HOUR	0503 6509 2515 8521 707	1	TABLE		ND DIR	7 8 6 08SC	7 1.	מ מי	9 7	n u	4 0	4 0	w -	- 2	-	- 4	51
195		_	0011			TOTAL	BY WI	, ,			-				40		-		5,5
PRIMARY)						EQ DF		3-4	٠	• •	0	0		0.00		1.5	• 0		
•						CT FR		0-5	1.5	2.5	40	w 0	1.2	7.5	•	1.5		1.2	• 0
PERIOD:						α.		WND DIR	ZZZ	E E	ESE	SSE	SSS	E SE	34 2	2 2	Z Z Z Z Z Z	CALM	TOT PCT

1953-1969	1909-1969
\sim	(OVER-ALL)
3 1 0 D :	

UNIMAK 157-165W	
AREA 0007 53N-CDAST	
	DCCURRENCE
ABLF 7	REQ UF SIMULTANEOUS
F	KEQ U

DCCURRENCE BY (NM)
US DCCURREN
LTANEDUS DO
₹.
T FREG !
CUMULATIVE PCT OF CEILING H

	7.	1.4	0.9	15.7	39.7	53.2	57.3	58.9	57.5	927
= DR >50YD	.7	1.4	6.0	15.7	39.7	53.2	57.2	58.8	67.2	923
= 0R >1/4	7.	1.4	6.0	15.6	39.5	52.9	57.0	58.6	66.1	806
) = OR >1/2	7.	1.4	0.9	15.5	39.4	52.9	56.9	58.5	65.0	893
VSBY (NM = DR >1	.7	1.4	0.9	15.5	39.0	52.4	56.2	57.8	63.5	872
• 08 >2	7.	1.4	0.9	15.4	38.5	51.6	55.3	56.7	60.7	833
• V5	9.	1.2	5.8	14.1	35,3	47.3	50.2	51.3	52.9	727
* 0R	4	1.0	4.6	10.5	24.5	31.1	31.9	32.4	32.8	450
EILING (FEET)	>6500	•	•	•	•	•	′	•	•	TOTAL
	•	Ö	ŏ	* 9	ě	Ċ	•	ö	ö •	

TOTAL NUMBER OF OBS: 1373

PCT FREQ NH <5/8: 32.5

TABLE 7A Percentage freq of LOW CLOUDS (EIGHTHS) 0 1 2 3 4 5 6 7 8 DBSCD DBS 8.6 4.6 6.2 6.8 5.7 4.8 11.5 12.0 32.1 7.7 1450

			5	.4.4	- 48	40.6	4.00	26.19	± 6.45	100.
			TOTAL	400	19 31	3.5 3.6 5.8	58 96 154	904 403	8 2 8 8 0 8 3 6	1525
			CALM	0.1.0	•••	644	Öün	0.7.1	4	63
	X 55W	7	VAR	•••	•••	000	•••	•••	000	00
	UNIMAK 157-165W	PRECIPITATION	Z	110	644	•••	7.7	4.01	4.3 67	5.88
	AREA 0007 53N-CDAST	PRECIP	Z	6-1-4	000	64.4	044	1.6	4.9	135
	AREA 53N-	4	3	•••	000	•••	0,40	1.62	11.4	8 6
		DIRECTION VS OCCURRENCE OR NON OCCURRENCE WITH VARYING VALUES OF VISIBILITY	3	٠.i.۷	•:-	•••	461	. 4.4 0.4.6	7.0	163
		NON OC	MSM	0.1.1	0.1.1	11.6	400	1.2	3.0	81 5.3
		CE OR OF VI	MS	0,40	6:1-		15.0	1.6	3.4	100
-	LE 8	CURREN	MSS	7.0	112	0:0	a	1:1	1.8	3.9
Ε	TABLE	VS DC	v	64.0	1,44	44.0	2.46	1.4	3.1	7.3
		ECTION ITH VA	SSE		0,00	1.w.L	2.64	5.76	1.3	4.5
			SE	-4.	-, <i>1, 1</i> , 10	40.0	0.68	1.9	1.8 29	112
		OF WIND	ESE	01.0	6:1	4:12	ທຸກສ	.5	1:1	3.5
		T FREG	w	-iu4	4.14		1.0	1.7	45.5	121
		PERCENT	ENE	6.44	<i>u</i>	0.1.0	E. 7.	200	1.5	4.4
	1953-1969 1909-1969		NE.		4.14			2.67	3.1 52	5.6
	1953		NNE	644	000	•••	₄	4.5.6	30	48 3.1
	IMARY) ER-ALL		z	•:-	6:1-	444	-4.0	1:1	3.0	5.8
	PERIOD: (PRIMARY) (OVER-ALL)			PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
	PERI		VSBY		1/241	142	\$	5<10	•	

			PCT	14.0	1.4	5.6	010	0.4	1.8	5.		1.21	•		•	. o. u.	• •	10.6	•	· o a		• •	0.00	
			DTAL	10	7 4	4	00	11	31			27		9 6	62	163	2 -	182	39	05	400	7.7	1712 10	•
			ALM T	۲.	1	(V)	0		0			,	7	6		2	.7		12	2.7		40	67 1	→
	ž		VAR C		00	0	00	00		0		0	>	00		••	0.0	00	0		•		00	•
	UNIMAK 157-165		Z Z Z	00	7.0	2	0.1.	00		0	• •	•	>	• •		0.8	0.4	40	16		6.3	25	97	•
	0007 UAST		3		o	-		00			00	0-	→	٠.	2.0			0.0		• •	4.4	• ~	152	•
	AREA (53M-C	۵	3% 2 33		••	0	•••	00		0	00		>	-: ·	7	o w	1.	1 4 K	13	• •	96.	• ~	96	•
		D SPEEI TY	3	00	-: ·	8		-,0		•		0.0	5	٠.	0			٠. س ه		• •	2.0	• ~	177	•
		VS WINI	MSM	00	-0.	-		• -		•	7.7	0,	n	0.0	7.	201	o r	4 1	22	• (80	62	99	•
		CTION OF VI	N S			m		00			::	90	n	٠.		. <u>.</u>	0.0	٠. د.		• •	2.2	89	120	•
Α¥	LE 9	D DIRE VALUES	MSS	0.1	-0.	2	0 ~			0		0,0	7	0 7	٦.	7 80		80 %			6.		0 ⁷	•
¥.	TABL	DF WIN	v	°.	7.7	•	٠.					21		0.7		13	2.4	0 10	37	• •	9 4	29	126	•
		FREQ ITH VA	SSE		201	N.	۰.			∹'	7.		•	0 %		1.61	7.	0 0		- 9	æ (28	4.6	•
		ERCENT	SE	٠.	7,1	-	0.7.	7.				2.5		- 2	5	50		1.9		2.5	æ ′		120	•
		a	ESE	-0	-0	7	0.7	00	-	0		- 4	n	۰.	6	. ∞	1.9	2.5			4-		52	•
			ш			4	00			0	- 7	พูง	N	- 4	•	24.5	.5	0, 00		6.5	•		129	•
			ENE	00	-0.	7	0.7.		6	0.	::	٥٠	7	-:-:	'n	15		9.7			۲.		73	•
	-1969 -1969		W Z	o;		m	•••		4	٦.		-; «	1	۰,۰	-; ·			4.0			1.2		99	•
	1953 1909		NNE	۰.۲	• •	~	•••	00	0	0,0	. 0	0,0	>	°.	۴,			6.0		1.2	• •	37	3.3	•
	IMARY) ER-ALL)		z	٠.٠	00.	→	0.4	00				~ *		o: -:	7.0			04			1.4	63	100	•
	20 20		SPD KTS	-10	11-21	10101	0-3	11-21 22+	TOTAL	w.	-	22+	2	0-3	11-21	TOTAL		11-21		0-3	11-21	TOTAL	TOTAL	•
	PERIOD		VSBV (NN)	<1/1>			1/2<1			,	751			2<5			5<10			10+				

UNIMAK 157-165W		TOTAL OBS	390	346	311	345	1392
AREA 0007 53N-CDAST	Ġ	TOTAL NH <5/8 ANY HGT	35.1	33.8	28.3	34.5	461
ARE 531	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	6.49	66.2	71.7	65.5	4 931
	EET, NH 3	8 000¢	w.	•	•	6.	4 10
	175 (F)	6500	80	6	.	0	w 4
10	G HE 1 GF NH <5/8	5000	1.0		1.0	•	10
TABLE 10	N11120	3500	5.9	4.6	5.5	5.6	65
	CY OF CURREN	3459	10.8	8.1	10.3	8-7	132
	SEQUENC	1000	2.6 11.5 23.3 10.8	23.4	5.1 12.9 23.2 10.3	25.2	331
	SENT F	666	11.5	4.9 15.6 23.4	12.9	3.8 13.6 25.2	56 186 331 4.0 13.4 23.8
	PER(300	5.6	4.9	5.1	3.8	4.0
		150	1.5	2.0	1.9	1.2	23
696		000	7.2	6.9	11.6	0.6	119
1953-1969 1909-1969		HOUR (GMT)	60300	60390	12615	18621	T07 PCT
PERIOD: (PRIMARY)		_					
PERIOD:							

AND/OR	TOTAL OBS	379	346	306	345	434 1373
CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	<pre><150 <600 <1000 1000+ NH <5/8 TDTAL <50YD <1 <5 AND5+ AND 5+ DBS</pre>	32.7	33.5	26.8	32.7	434
SES OF V	1000+ AND5+	38.5	34.1	35.3	33.0	485
OF RAN(<1500 <5	00603 7.4 11.9 28.8 38.5	32.4	37.9	18621 8.8 15.2 34.2	TOT 120 212 454 485 PCT 8.7 15.4 33.1 35.3
FREQ G HGT	6 000	11.9	15.0	20.6	15.2	212
IVE PCT CEILIN	<150 <50YD	7.4	7.2	12.1	8.8	120
CUMULATI	HOUR (GMT)	60300	06509 7.2 15.0 32.4	12615 12.1 20.6 37.9 35.3	18621	T07
	TOTAL 085	379	346	306	342	1373
Y HOUR	5<10 10+	64.1	61.3	50.0	62.6	339 822 1373 24.7 59.9 100.0
(NM)	5<10	22.4 64.1	25.7 61.3	31.0 50.0	20.5 62.6	339
Y VSBY	2<5	7.7	9.9	8.6	4.6	114
PERCENT FREQUENCY VSBY (NM) BY HOUR	1<2	5.9	1.7	5.9	3.8	39
ERCENT	1/2<1	1.1	2.0	5.6	1.2	23
ο.	<1/2	1.8	5.6	3.6	5.6	36
	HOUR (GMT)	60300	60390	12615	18621	T0T PCT

(PRIMARY) 1953-1969 (OVER-ALL) 1909-1969

PER 1001

AREA 0007 UNIMAK 53N-CDAST 157-165W

		CALM	0	•	1.5	2.0	.2	0	51	4.1			TOTAL	336	304	272	323	1235
	EMP	VAR	•	•	0	•	0	0	0	•		HDUR	HEAN	83	85	86	86	85
	WIND DIRECTION BY TEMP	Z	7	6	2.7	5.7	5.3	4	178	14.5				4.2	4.9	6.3	9.4	526
	RECTIO	*		.2	2.3	7.3	3.7	7	168	13.7		HIDIT	39 90-100					
14	IND DI	MS.	•	6.	5.4	8.1	5.4	•	163	13.3	16	RELATIVE HUMIDITY BY	80-89					359
TABLE 14	F.	S	•	• 5	3.4	7.6	1.4	•	155	15.6	TABLE		70-79	24.4	17.4	15.4	16.1	229
	FREQUENCY	SE	•	-:	5.4	8.0	::	•	142	11.6		NCY DF	69-09	11.0	6.6	4.8	5.6	96
		w	.1	9.	5.5	6.3	1.1	•	130	10.6		FREQUE	90-59	3.0	5.6	1:1	9	23
	PERCENI	NE	•2	•	2.3	4.9	1.5	٠.	137	11.1		PERCENT FREQUENCY OF	0-29 3	•	•	•	•	0
		z		ŝ	5.0	4.3	1.6		105	8.5		P	HOUR (CMT)	60300	60390	513	18621	10.
													30	8	90	12	18	_
	179	FRED	•	3.3	21.5	55.7	18.3	.7	100.0									
	1014		7	41	564	684	225	00	1229			HOUR	TOTAL OBS	462	423	389	447	1721
	TEMP	90-100	•	.7	2.0	27.7			523	4		F) BY	MEAN		2.0	5.0	41.9	2.0
	ITY BY	80-89	.1	.7	1.3	15.9	4.9	•5	358	29.1		(DEG	NIW				30	
	RELATIVE HUMIDITY BY TEMP	40-49 50-59 50-69 70-79 80-89 90-100	• 2	1.0	6.5	8	5.4	• 5	228	18.6		OF TEMP (DEG	1%	31	30	30	35	31
TABLE 13	LATIVE	9-09	• 1	1.0	2.0	3	1.6	•5	44	7.9	ĸ	TLES C	2%	37	37	35	36	36
17	UF	50-59	.1	0	*	•	7.	°.		1.3	TABLE 15	PERCENTILES	20%	43	45	41	45	45
	FREQUENCY	65-05		-:	2.	7.	•	•	9		_	AND	95%	51	64	45	47	64
		30-39	0	٠.	(•	•	٥.	-			MEANS, EXTREMES	% 66	52	51	40	25	25
	PERCENT	0-29	0.	•	•		•	•	0	•		ANS, E)	MAX	57	25	23	54	57
		TEMP F	55/59	30/DC	05/05	1000	46/66	30/34	TOTAL	POL		Ĭ	HOUR (GMT)	00603	60390	12615	18621	T0T

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8
4

AREA 0007 UNIMAK 53N-CDAST 157-165W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

FOG	11.22.22.22.22.22.22.22.22.22.22.22.22.2
FOG	0 7 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0
T0T	111 126 125 125 125 125 125 125 125 125 125 125
53	141010000001000000000000000000000000000
49 52	0,0000
4 4 8 8	180 180 180 180 180 180 180 180 180 180
41	10400044014 m4
37	24 - 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
33	000000000000000000000000000000000000000
32	000000000000000000000000000000000000000
25	000000000000000000000000000000000000000
AIR-SEA TMP DIF	14/16 11/13 9/10 7/8 6 6 6 7/8 11 11 11/-13 -17/-16 11/-16 11/-16

53N=C0ASI 157-165W

MAY TARIE 18

SE.			IDIAL	۽ ه		71		-4 /	-	0	~ •	-	0	0	0	0	0	0	0	c	• 0	0	45			TOTAL	4	œ	11	'n	7	0	7	0	2	4	0	0	ာ	0	0	0 (0	0		3	7.6
157-165			† D					•	•	•	°.	•2	•	•			•									48+	•		•				•			•				0		•			•	0	•
3N-CDAST	FT)	`	† 		•	•	•	•	•	•	•	•	•	•	•	•	0	0	0		•	0.	0	0	SE	34-47	•	•	•	•	•	•	•	•		• 5	•	•		•		•	•	•	• -	7	,2
23X	HEIGHTS (,						,	7.		•2	°.	•	•	•	•	•		•	0	•	•		1.9		22-33	•	•	.2			•	4.	•	4.	•		•		•	•	•	•		•		1.7
	SEA HE			2 "	•		•				•		•	•	•		•						19			11-21	•		1.5				•	•	•								•	•	2 5	→	2.8
	VERSUS	•	07-4	· ·	•		•	•	•	•	•	°.	•	•	•	•	•	•	•	i,	0	•	13	2.8		4-10	9.	6.	9.	•	•	•		•	•	•	•	•		٠	o.		•		2 5	→	2.2
18	RECTION		1-3	. (•	•	0	•	•	•	•	•	0	•				•			9.		1-3	.2	4.	•			•		•	•	•	0			ė,			9.	•		n	•
TABLE	AND DI		، ب	n .	0.0	.	0 4	0 (7	N	-	0	0	0	0	٥	0					0	10				~	10	1	9	2	2	-4	0	٥	٥	Ω	0	0.0	ο (0.0	2 (2 (0.0	- c	•	m
	(KTS)	- {	A D			4 -				-		_	_			_		_					4	6		TOTA			-								_								*	*	6
	SPEED		+ 0 +	0.0				•	•	•	o	•	0	°.	•	•	•					•	0	•		+8+	•	•	•	•	•	•		•	•	•								•	•	Э,	•
	OF WIND	•	14-46	•	•	•	•	9	• 5	• 5	•2	•	•	•	•	•	•	•			•		4	6.		34-47	•	•	•	•	•	•		•	•	•	•	•	0.0		•	•	•	•	•	>	•
	FREG		55-77	•		• (1.1	ш	22-3			.2																		1.5
0	PCT			•			•	•	•	.2	•	•	•	•	•	•	•	•	•	•	•	•	21	4.5	_		•	9.	1.5	•	6.	•	•	•	•	•	•	•	•	÷ (o c	•	•	0.0	• •	-4	3.9
963-196		•	07-5	• -	•	•	•	7.0	2	0.	•	°.	•	•	•	•	•	0	0	•	•	•	13	2.8		4-10	.2	5.6	9.	• 2	.2	•	•	°.	0	•	•	•	•	• c	•	•	•	•) q	→	9.6
-ALL) 1			٠ ر ا		•	•	•	•	•	0.	•	•	•	•	•	•	•	•	•	•	•	•	7	4.		1-3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	> (•
COVER			- E \	, - - - -	7-6	1 1	,			10-11	71	13-16	7-1	0-2	3-5	6-9	3-4	1-4	9-6	1-7	1-8	87+	TOTAL	CT		HGT	₽	1-2	3-4	2-6	_	8-9	10-11	12	3-1	1-1	7	7 .	0 0	0716	1 1 0	7 1 0	1	10	1) (2

																									ZV	. W	06	0	108	4	19	30	0	15	5	7		٠,	0	0	0	0 (0 (•	40	ċ
			_4	m .	→ (.	o	. ~		C		6	0	0	0	0	0	0	c	O	O.	_	.		L GR		C	c	c	æ	O	ĸ	m	~	0	2	0	0	0	0	0	2	o (.	•	0 10
ž.			TOTAL		3 2			, -	·		•	,,,						_		_		•	14.		TOTAL	~		2		~	J		•••		_	. •			_			•	,		° a	19.
UNIMAK 157-16				•	•					•			0	•	•	<u>٠</u>	•	•	•	•	•	-			48+	0.	•	•	•	•		•					0			o c			• c	2 0	> (•
A 0007	FT)	X.S.	34-47		•														ે.		•	.	• 5	32	34-47															•					r 0	۲.
ARE 53N	IGHTS (22-33	0,0		•						.0		•	0.				•			-			22-33	•		4.	4.		•		7.	7.	•			•		o c					→	2.8
	SEA HE		11-21	· ·	• -	1 0	• •	0	.2	•	•2	•	•	0	•	•	•	•	•	•	•	LU .	6.5		11-21	•	•	•	3.5	•	•	•2	•	0	•	•	္ (•	• •	•	•	•	0 4	,	10.0
	VERSUS		4-10	•		•	0	•	3	•	•	•	0	0	•	0	•	•	•	•	0!	-	3.7		4-10	•	1.7	•	4.			0	0	o o	•	0.		၁ (•	0,0	•	•	•	? :	1 4	
LE 18	DIRECTION		1-3	.			•		•		•	•		•	•	•	2	•	•	•	•	→ (7.		1-3	4.	4.	•	•	•	•	o ·	o. '	•		÷ (.	o o	•	•	•	> 4	ro	٨.
TABL	(KTS) AND		TOTAL	n (A or	~	- 1-	m	4	7	0	0	0 (၁ () ()	Э (0	0	0		n	0		TOTAL	m			27			01	7) (η,	→ (o ,	→ •	→ (Э,	0 0)	o c	> C	C	٦,	•
	SPEED				• •		•															→ (• 5		48 +	•											o c			• (•			4 C	7.
	OF WIND		34-47		•	•	?	0	0	•	•	0	0	•	•	•	•	•	•	•	•	0 (•		34-47	•	•	•	4.	• 5	•	4.	7 .	7.0	7.	٠ •	7.	? (္	•	•	•	? C	• -		•
	T FREG (s	22-33) ·																			3	22-33	•	0.	•	1.3	6.	•	1.5	* (7.0	•	•	٠ •	.	•	•	•	•	.) (, r	•
65	0		(10																•	-			11-21	•	•	•		•										9 0						•
1963-196			4-10	•	, ~	4	•	•	٥.	•	0	္		•	•		•	•	•				1.9		4-10	•		•	٠.	•		•					· c			, c			0			٠
MARY) R-ALL)			1-3																				•		1-3																				. 0	
O: (PRIM			HGT	1, 1	3 = 4	2-6	, ,	8-9	10-11	12	3-1	7-1	23-02	7 1 7	0 0	1	1 0	, ,	1	1 1	+ +	ם כ	2		HG _T	-	1-2		• •	_) (S	1 0	9 6	יין ר	7 10	316	7 - 4	210	1 1	10111	1 0	1 2	87+	٠,	\ L	

PERCENT FREQUENCY

235 158 822 277 150 100 100 100 87+ TOTAL 000000000 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 000000000 000000000 00000000 000000000 OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 000000000 0,0000014 000000044 044000044 00000000 24100077 W40WW000W 10-11 8 111 4 4 8 8 7 4 7 0 6 0 5-6 7-6 9-3-9 11-0 11-0 12-1 12-1 12-1 13-5 15.6 16.4 SEC) (SEC) (SE

		TOTAL	9 2 2 2 3 2 4	76	65	141	55	75	44	108	51	80	57	137	59	82	9	0	62	1241	100.0
UNIMAK 157-165W		TENA NO SIG	3.8	3.9	2.8	6.7	2.8	3.1	1.5	5.6	2.7	4.7	3.8	1.6	4.3	6.0	4.1	٥.	3.9	882	71.1
		OTHER WEATHER PHENOMENA FOG SMOKE DUST NO WO HAZE BLWG DUST SI PCPN BLWG SNOW WE	00	•		•	0.	•	•	•	•	•	•	•	•	•	.1	•	•	~	.2
AREA 0007 53N-COAST	ION	ATHER DOUGE BLWG																			
ARE 53N	DIRECTION	IER WE SMOK HAZ	70	•	•	•	•	.2	•	£.	•	€.			•	•	•	•	0.	15	1.2
	MIND		1.2	6.	9.	3.0	6.	1.5	1.0	1.9		9.	• 5	1.1	.2	.2	.2	0	9	176	14.2
	₩	THUR	00	•	0.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	C
٦.	UCCURRENCE	TOTAL PCPN OBS	14	16	21	21	Φ	15	13	12	∞	10	•	7	m	5	4	0	50	166	
TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME	1.1	1.3	1.7	1.7	۲.	1.2	1.0	1.0	9.	.	้	•2	•5	4.	e.	•	4.		13.4
	ENCY OF	HAIL	00	•	ó	•	•	•	•	•	•	•	0	o	•	•	•	•	•	0	Ö
	FREQUENCY	TYPE OTHER FRZN PCPN	00	•	•	၁	•	•	0	•	•	•	•	•	•	•	•	•	•	0	•
	RCENTAGE	ATION SNOW	00	•	•	°.	0	•	0	•	•	•	•	•	•	•	•	•	•	0	•
	PERC	PRECIPIT FRZG PCPN	•••	•	0	•	•	o.	•	•	·	9	o	ċ	•	•	0.	•	•	0	0
		DRZL	40	4	1.0	•		6.	9.	∞.		•		.2	.2	.2	۲.	o.		80	7.1
1952-1969 1902-1969		RAINSHER	70.	•	•	•	•	•		•	-	•	•	•	•	•	•	o.	0.	4	ů.
		RAIN	.2	1.0	.7	Φ.	9.	e.	• 2	.2	4.		• 5		τ.			•		8	
(PRIMARY) (OVER-ALL)		WND DIR	z z	¥	ENE ENE	ш :	ESE	SE	SSE	S	SSE	N.	I NI		Z	Z	3 2 2	VAR R	CALM	TOT 085	TOT PCT
PERIODI																					

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TOTAL	088	321	334	280	313	1248	100.0
ENA	SIG	75.7	70.4	71.4	66.1	885	40.6
HER PHENOM DUST	WD HAZE BLWG DUST SIG PCPN HAZE BLWG SNOW WEA	•		•	m.	7	.2
R WEAT	HAZE	1.6	1.8	4.	1.0	15	1:2
OTHE	PCPN	15.6	13.2	11.4	16.9	179	14.3
THOR	LTNG						•
TOTAL	PCPN 08S	23	48	47	64	167	
CT FRED	PCPN AT OB TIME	7.2	14.4	16.8	15.7		13.4
HAIL		•	•	•	•	0	•
TYPE	FR2N PCPN	•	•	•	•	0	•
SNOW		•	•	•	•	0	•
PRECIPITATION FRZG SNOW U	PCPN	•	•	•	•	0	•
PF DR2L		4.7	5.1	8.2	10.5	80	7.1
RAIN	SHWR	w.	•	.7	ď.	4	ٿ
RAIN		2.8	9.6	7.9	5.8	81	6.5
HDUR	(GMT)	60300	60390	12615	18621	T0T	PCT

		21	7.7	5.1	10.3	!	7.7	5.6	0.	5.1	5.1	• (7	7.7		10.3	•	0	10.3		8													
		18	4.4	2.1	6.2	5.3	0.8	4.4	7.1	4.1	œ (7.0		000	S	7.1	5.3	0	5.9	339	100.01		21		80.0		0.0		4.5	80.0	0.9	•	6.3	0.0
UNIMAK 157-165W		T) 2 15	14		14		2	m	7	7	7	,	- (7	•	•			8 7.1		100		18		6.5 12	1.0	1 2	2.1	2	6.8	2.4	0	7	• 0 10
A 0007 U		HDUR (GMT 09 12	7 7.	.3	.7 6	9 0.	6 1.	2	9 0.	.3	•	9 (o .		20.	.3	.7	0	0.	23 2	•0 100		15		14.3	14.0	14.3	7.1	10.7	17.9	0.	•	7.1	-
AREA 53N-C		¥ %	۲.	2.2 4	9.		.7	•2	33	• 0•	4.	•	•	39		3 4	9.	•	.4 13	61	0.0 100		(GMT)	•	ο.	71	-	10	7	16.	11	•	• 6	100
	BY HOUR	60	2.0	5.0	15.0	2	10.01	•	•	•	•	0.0	•	S	15.0	2	5.0	0	•	20	8		HDUR 09		.9 13.0	0 0	0 4			39	13		13	100
	EED AND	00	5.6	5.7	5.6	4.8	11.9	4.2	5.9	2.0	0.0	7.6	1.,	14.7	N	6.5	5.1	•	1.7	354	100.0		03 0		0.0	11		0.	0 13	.0 12	.0 11		4 (.0 100
	BY SP																						00		8.2 10		•		11.6 5	.8	.6 1	0.	356	00.0 100
e	DIRECTION	MEAN	4	4	S	14.9	n	4	~	~	<i>o</i> ·	1	1 4	m	S	4	2	•		13.1		34												-
TABLE	ONIM &	PCT FREQ	5.7	2.3	9.9	5.1	10.4	4.5	6.6	9.0	9.0	. 4	4	12.0	3	6.5	5.1	•	6.4		100.0	TABLE	MEAN	SPD	14.1		10	3	4	e.	3	0	13,1	
	QUENCY D	TUTAL OBS	82	33	95	-	150	19	80	9	110	0	74	173	7	76	74	0		1443			ပ	FREQ	8.0	7 7 7	•	. ~	11.0	^	_		**	100.0
	FRE	4 4 4	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•		0	•		TOTAL	088	115	211	137	169	159	245	168	0	1643	
	ERCENTAGE	KNOTS)	•	•	•		•	•	•	•	•	•	•	•	•	•	•	٠	,		5.		41+		•	•	• •	•	•	•	•	•		w.
-1969 -1969	•	PEED (KN 1 22-33	1.	•	<u>.</u>	1.0	-:	•	•	•.	•	•	•	:	•	1.	•	•		-	13.		D (KNDTS)			• -	•		•	-;	•	•	0	1 6.4
1952 1902		WIND SF 0 11-21	2.	•	2.	3 2.2	4	2	5.		• -	• ~	• -	4	2.	2.	1.	•	į	55	38.		ND SPEE		3 1.9		2	2	2.	2.	ë	•	23	
PRIMARY) OVER-ALL)		-3 4-1(1.	•	7		9	: :	2 .		, ,		7		3 1.	3 2.	6 2.	•	6.	69 69	.7 34.		-6 7-10		.6		2 4.	1 6	1 5.	5 9.	9 5.	•	8 65	45.
PERIOD: (WND DIR	z	NNE	¥			ESE	בי היי	SSE	n 20	300	303	3	373	Z	322		CALM	T 085 1	OT PCT 1		WND DIR O		N N	,	E 2	7	2	m	2 3	VAR	CALM 4	T PCT 24

												TOT	088	20	22	29	55	111	t 40	37	36	44	70	55	134	0 6	40	0	53	1085
										>4/8)		NH <5/8	ANY HGT	2.0	5.	1.0	• .	•		.3	6.	.	1.8	1.1		7.0	1.6	•	1.6	268 24•7
AK 165W										(FT.NH >	NOI	8000+	1	0	•	0	•	•	::		•	•	-	- '		•	•	•	0	. 1 8
UNIMAK 157-165W											DIRECTION	500	666	0.	•	7.	•	•	0	.1	·	•	0	٠, ۲	, (0	•	٥ı	•
AREA 0007 53N-CDAST										CEILING HEIGHTS	MIND	5000	6649	•	•1	0.0	7.	•	0	0	•	•	7		•	-	•	•	۲,	•
ARE 53N		4 5	374	4.0	. 8	43				CEILIN	<5/8 BY	3500	6564	4.	•5	~ (9 4			•	-:	7.	9.	7.	•	•	: -:	•	2.5	3.1
	•	TOTAL OBS	w.			_	-1-		LE 6	OF	ĭ	2000	3499	4	•	9	•	• "			1.9	4	•	•		::	9	0	. (136
	R (GMT)	PCT FREQ	100.0	100.00	100.0		100.0		TABLE	FREQUENCY	NCE OF	1000	1999	00	•	2.1		0 . 7	1.7	1.3	1.8	1:0	2.1		1 0	2.5	۰	0	• •	24.7
	BY HOUR	MEAN	14.0	J	1	m					OCCURRENCE		666	.7	٠.	1.0	0.1	1.1	1.3	€.	1.4	1.0	8.	o r	. •	. 4	80	0	۲۰:	160
4	SPEED 8	CALM	1.6	6.9	6.3	70	4.9			PERCENTAGE	AND DO	300	299	0	•	2,1	•	• -	4	٠,	۲.	•	۲.	* <	-	. 15		0	7.5	4.7
TABLE	NIND S	(KNOTS)	•	•	0	0	0			PE		150	565	•2	0	7.	-; ·	7.		•	.1	Ç	0	- (, 0	200		0	7:	13
·	P	SPEED (1	2.1	1.6	1.6	34	5.4						149	.1	~	.0	•	7.	1.4	••	1.4	9.	4.	- r	- "	•	, m	0	9:	12.3
	FREQUENCY	WIND 5	15.0	v	4	7	13.4																							
	ERCENTAGE	11-21	43.6		5	55	•			(EIGHTHS)		MEAN	JVER	•	•	•	•	•		•	•	•	6.7	•	•				5.9	•
	PER	4-10	32.4	• 4		49	•					AL C	S	20	22	79	6.	1 7	99	37	92	*	70	66	7 9	74	46	0	n a	0
		1-3	6.3		•	66	6.9		5	CLOUD AMOUNT	DIRECTION	TOT	080										~ (-			_	۰,	•	2 100
-1969		HOUR	60800	215	621	10.	5		TABLE	CLOUD		20	SC	1.	.	* .	· a	, r	5	2.	• 0	•	m	9		2	-	• (2.4	62.
1952-) 1902-		-	9 6	21	18	-	a .		-	TOTAL	BY WIND	5-7		1.4		•		,			1.7		1.9	- K	1.7	2.2	1.5	•	22.0	22.1
PRIMARY) OVER-ALL										9 OF	_	3-4		1.0		2.			m	0	w.	•					•			7.4
_										PCT FRE		0-5		9.	.2	ů.	•			•	2.		•			1:1		•	• 6	8.3
PERIOD										ă		WND DIR		z	NZ.	2 Z		FSE	SE	SSE	တင့်	200	30 2	E 0 3	32.3	Z	3 Z Z	VAR.	-	TOT PCT

JUNE	TABLE 7
	1952-1969 1902-1969
	PERIOD: (PRIMARY) 1952-1969 (OVER-4LL) 1902-1969
	PERIOD:

53N-CDAST 157-165W

		. OR	2	1.4	2.0	5.2	17.9	42.7	57.6	62.3	4.69	75.0	808
NCE		• 08	>5070	1.4	2.0	5.2	17.9	42.7	57.6	62.3	63.4	74.8	807
IMULTANEDUS DCCURRENCE		• 08	>1/4	1.4	2.0	5.5	17.9	45.6	57.4	62.1	63.2	72.6	783
SIMULTANEDUS	-	-	>1/2	1.4	2.0	5.5	17.8	45.4	57.0	61.7	62.8	4.69	44
OF S	VSBY (NM	* 0R	<u>,</u>	1.4	2.0	5.5	17.8	42.2	56.6	61.4	62.4	67.3	726
PCT FREG G HEIGHT		• 0R	>5	1.4	2.0	5.2	17.5	41.4	55.6	0.09	6009	64.5	969
UMULATIVE PCT FREQ OF CEILING HEIGHT		• 0R	^ 2	1,4	2.0	5.0	16.5	37.3	49.3	53.1	53.7	54.7	290
50		* 0R	> 10	1.4	7.0	4.2	12.2	27.2	34.9	37.0	37.2	37.3	403
		CEILING	(FEET)	■ OR >6500	- DR >5000	- OR >3500	- DR >2000	- DR >1000	■ DR >600	■ OR >300	•	•	TOTAL

TOTAL NUMBER OF DBS: 1079 PCT FREQ NH <5/8:

25.0

TABLE 7A Percentage freq of low clouds (eighths)

TOTAL OBS	11/5
TOTAL 3 4 5 6 7 8 0BSCD 0BS	10.9
60	40.8
7	10.0
v	9.5
•	4.5
4	0.4
ĸ	0.9
8	5.8
-	3.9 5.8
0	4.8

	PCT	448	70.7	3.5	4.1 6.9 11.1	5.4 16.7 22.1	2.0 53.1 55.0	100.0
	TOTAL	99	308	15 29 44	51 85 136	66 206 272	653	1230
	CALM	<u></u> .	000	4 7 7	w	٠. ت ^ت ته	3.0	5.0
Z.	VAR	000	000	000	000	•••	000	00
000, UNIMAK CDAST 157-165W PRECIPITATION	Z	0.1.1	0.1.1	000	104	000	3.6	600
	Z	3	0.1.4	2 2 2 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	N 4	2.50	5.1	82
AREA 53N-	3 2 3	0.7.7	000	0.1.1	0	v. rv. ∞	3.8 4.8	4.8
NON OCCURRENCE	3	70.0	0 0 0	000	V. 10 00	2.1	36.0	136
ON OCC	MSM	1.0	000	0.1.	- ~ m	1.01	2.0	4.6
K ;	E	0.1.1	0.1.1	0,00	10	1:1	3.6	80
ABLE 8 DCCURRENCE (SSW	000	0 2 4	000	601	4 4	2.1 2.9	50
TABLE TABLE	S	0 4	0,40	100	1.3	2.0	104	107
RECTION	SSE	0,00	000	1.26	200	19.0	1.0	4. 6.0 0.0
2	SE	. 1 . 8 11	4,02	NON	4. W.L	1.0	2.5 32	44.0
OF WIND	ESE	440	200	000	N 10 2	13.0	1.9	4.4
FREQ	ш	1.4	74.5	22.00	1.2	2.3	4 4 	138
PERCENT	ENE	126	7.72	4.1.0	.27.11	1.00	205	5.2
	N E	1.0.6	0.7.7	04.10	4,00	1.2	2.7	75
1952-1969 1902-1969	NN	344	000	0,00	0 0 0	4.24	1.2	25
(PRIMARY) (UVER-ALL)	Z	0	000	202	000	1.08	3.2	5.2
		PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PERIOD:	VSBY		1/2<1	1<2	2<5	5<10	10+	

	PCT	1.6			10 W W W W	22 + ca 6 w	22.6 20.5 55.7 8	100.0
	TOTAL	10 23 31 9	1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12 15 17 50	11 21 71 46 149	42 96 117 65 320	316 289 94 788	1413
	CALM	4.	n 0, 0	w 4	, e	1.1	6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5.0
. <u></u>	۷ ۹	0000	0 00000	00000	00000	00000	00000	00
UNIMAK 157-16	Z Z	0070	70108		01114	17411		72 5.1
0007 DAST	3 Z	0.100	- 0-100-	00444	04	44444	2.12.170	89
AREA 53N-C		0.700	- 00000	00-10-	00-10-1		1.6.00	60 8
IND SPEE	32		r 0:::0%		0-1-11-12	1.1 79		167
ν	SIBILI	000-	- 00000	00-0-	.0114	19542	1.0	4.6
I ON	> *	0.400	- 000		01470	12842		92
9 DIR	ALUE SSW	0070	0 00diw	0.101,	00,000	- N	2.99	3.7
TABL OF WIN	RYING VI	0-1-0	w 0,440.0	01118	1.049	0.00.4.00	19629	1148.1
<u>u</u>	SSE	-00-		0	40840	04410		3.6
PERCENT	SE	0 4 4 4	1 00124	01010	0,400	7,007,7		8 5.9
a.	ESE	11.00	0 0 1 1 0 0	00000	01.4.60	11.00.01	.0 .7 1.1 26	60
	ш	-1.4-	r 0000r	44400	1.0	4.00	60.60	147
	n N E	0.7.7.	w 0044w	00440	44	44040	W. B. B. L. C.	73
-1969	Z Z	0	4 00.	11119	01441	2.08.1.5	411447	94
1952	N N E	3.100	- 00000	00100	00110	11.1147	N 10 10 10 11	33
(PRIMARY) (OVER-ALL)	z	7000	- 00000	N000W	44404	-4.4.0°	14.1	5.8
	SPO	KTS 0-3 4-10 11-21 22+	707AL 0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
PER 1001	VSBY	(NH)	1/2<1	142	2<5	2<10	10+	

									AND/OR	TOTAL OBS	282	289	230	278	1079
UNIMAK 157-165W		TOTAL OBS	290	293	234	285	1102		VSBY (NH)	NH <5/8 AND 5+	28.4	27.7	7.12	20.1	266
		NH <5/8 T ANY HGT	29.0	28.3	22.6	21.4	281	12	OF RANGES OF VSBY (FEET, NH >4/8), BY	1000+ AND5+	38.3	7.76	36.1	37.1	403
AREA 0007 53N-CDAST	>4/8), AND	TOTAL N	71.0	71.7	77.4	78.6	821	TABLE		<pre><600 <1000 <1 <5</pre>	15.6 33.3	15.9 34.6	21.7 42.2	20.9 42.8	198 410 18.4 38.0
	I N	8000+	1.0	.3	6.		8 r.		VE PCT FREQ CEILING HGT	<150 <	7.8 1	11.4 1	13.9 2	14.0 2	126
	S E	6500	.7	•3	1.3	4.	٠٥.		CUMULATIVE PCT CEILIN	HOUR (GMT)	60300	60390	12515	18621	T01
10	46 HEISHI NH <5/8	5000	1.0	•	4.	1.1	٠٠.		ี	10	O	0	•	-	
TABLE	ENCY OF CEILING OCCURRENCE OF NH	3500 4999	4.5	2.4	1.7	3.5	34 3•1				•	_		_	2.0
	CY DE	2000	12.8	14.0	10.3	12.6	138 12•5		~	TOTAL 08S	282	289	230	278	1079
	FREQUENCY OF OCCURRED	1000	23.1	23.9	26.9	23.9	268		BY HOUR	10+	65.6	63.3	52.2	55.8	643 59.6
	PERCENT F	666	12.1	15.0	14.1	16.8	160	_	(NA)	5<10	15.6	18.3	26.1	20.1	213
	PE	300	5.5	4.1	5.6	3.5	51	TABLE 11	Y VSBY	2<5	6.6	5.9	12.2	12.6	10.0
		150	1.4	•	2.1	1.4	13	F	FREQUENCY VSBY	1<2	3.2	7.5	2.2	2.2	32
6961 6961		000	9.0	11.6	14.1	14.7	135		ENT FR		1.8	1.7	2.2	2.9	23
1952-1969 1902-1969		HOUR (GMT)	60300	60390	12615	18621	TDT PCT		PERCENT	2 1/2<1				10	
(PRIMARY) (OVER-ALL)		•	J							<1/2	3.9	6.6	5.2	9	5.6
										HOUR (GMT)	0000	06609	12615	18621	T07 PC1
PER I OD :															

a) .

53N-CDAST 157-165W

TABLE 14

TABLE 13

PERIOD: (PRIMARY) 1952-1969 (OVER-ALL) 1902-1969

	CALM	•	.2		2.1	•	•	39	3.8				TOTAL	275	284	211	259	1029
TEMP	VAR	•	•	•	•	•	ဂ	0	•			HOUR	MEAN	86	88	90	88	88
B ≺	ž	•		1.6	6.2	5.9	7.	114	1:.1			B	₩ 001-05	4.9	7.2	1.6	9.6	493
DIRECTION	*	7.	5.	2.8	7.6	3.3	•	169	16.4			HIDIH						
JIQ QNIM	S	•1	6.	1.7	6.9	3.1	٦.	125	12.1	<u> </u>	9	RELATIVE HUMIDITY	80-89					351
'n	S	•	• 5	1:1	8.9	3.1	•	115	11.2		ADLC		70-79	20.7	13.7	10.0	16.2	159
FREQUENCY	SE	•	(7	1.3	5.3	2.3	•	46	9.1			NCY DF	69-09	0.4	3.2	٠.	1.2	54
	ш		4.	3.0	7.5	4.2	•	156	15.2			FREQUENCY	30-59	4.	4.	•	•	8
PERCENT	N E	•1	.3	1.1	8.2	2.5	•	132	12.8			PERCENT	0-29	o.	•	•	o.	0
	z	•	•5	1.7	4.2	2.1	•	35	8.3			C.		60300	50390	12615	18821	T0T
PCT	FRED	4.	2.5	15.5	56.9	24.5	•2	100.0										
TOTAL	088	4			586							HOUR	OTAL OBS	369	381	303	374	1427
/ TEMP	90-100	•	•	2.2	29.3	16.2	•1	493	47.9			F) BY	_		46.6			
ITY BY	80-89	•	5	8.6	18.6	4.9	•	351	34.1			TEMP (DEG	Z	0	38	80	7	7
HUMIDITY	70-79	• 2	1.3	3.7	8.6	1.7		159	15.5			OF TEMP	1%	40	40	38	36	36
RELATIVE	69-09		.7	•	'n	.2	·	54	2.3	ĸ			*	42	41	41	41	41
0F RE	50-59		•	0	•	•	•	~	7	TABLE 1	•	PERCENTILES	20%	48	46	45	46	4 9
PERCENT FREQUENCY OF	65-05	•	٦.	•	•	•	•	—	7	F	•	AND P		52	52	64	25	53
FRE	30-39	•	•	•	0	o	c.	0	•			KEMES	*	50	52	25	28	57
PERCEI	0-29	•	•	•	•	·.	•	0	o.			MEANS, EXTREMES		61	61	26	90	61
	TEMP F	49/09	55/59	50/54	65/65	55/05	35/39	TOTAL	PCT			.¥	HOUR	60300	60390	61321	18621	101

AREA 0007 UNIMAK 53N-CDAST 157-165W

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

FOC	11114471111 111144711111 111144111111111
3 O	
101	1000 11 1 1 2 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
61	0,0000
57	
50.00	440/04/04/0000000000000000000000000000
49 52	112222111 12222111 122
4 4 8 8	0446888894999999999999999999999999999999
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	01000000000000000000000000000000000000
37	0000000044
AIR-SEA TMP DIF	14/16 11/13 9/10 7/8 6 6 6 7/8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

PER 100:

	JUNE		
(PRIMARY)		AREA 0007	UNIMAK
(GVER-ALL) 1963-1969	TABLE 18	53N-CDAST	157-165

	7 K			TOTAL	o a	9 6		2	4	7	0	m .	0	0 0	o c	0	0	0	0	0	0 1	١.	1 . 1 .	-	₫ .		9 1		- (4)		-	0	0	0	o c	0	0	0	0	0	3 () a	10.4
24.4	157-165			+ 89 +	•		0	•	•	•	•	•	0	0	•	9 9	0	0	•	•	0,0	0	•	a	+ C	•	•	•		•	•	•	•	o c	9		•	•	ô	0,0	9	•	o o
.000	SSN-CDAST	(FT)		4-4	•	• •	0	0	•	•	0	•	oʻ.	•	•		0	•	٥.	•	0.0	o (2	1	ļ	•	•			•	•	0.	•	0,0		0	•	•	•	•	• ·	•	•
	53N	IGHTS		m (•					•2	0		0				0		•	0	0 4		•		0	•	•		2		•2	•	•			0			•	•	•	•	•
		SEA HE			•	• •	1:1		.7	•	•	•	0	•		•	•		0	•	0.0	77 ,	•	1 - 3	7	•	7.0	•	•		•		•			•					•		5.9
		VERSUS				• 0	.2	•		•	•	•	•	0.0	•	•	•	0.	•	•			•	01-7	7		•		0	0	•	•	•	•	9		•	•	•	•			
300	TABLE 18	DIRECTION		1-	•		0	•	0.	•	0.	•	0.	•	•		•	•	•	0.	o 4	, r	•	1.3	1	•	2		0	•	•	•	0	•	•	0	•	•	0.	•		• ^	14
•	TAE	(KTS) AND		TOTAL		, .	7	m	-	0	0	0	o (0 0	o c	• •	0	0	0	0	00		•	TOTAL		, .	200	16	10	4	2	0	2	00	o c	0	0	0	0	0 (o c	000	20.02
		SPEED			•		0			0.	0	•							•	•	0 0		•	484	•	•		C	0	0	•	0.	0	•		•	•	0.	0	ဝ ၀	•	•	•
		CHIM HO			•	9 9	•	0	•	•	•	•	0	•				•		0	ပ္ င	0	•	24-47		•	•		0	0	•	•	•	• °		•	0	•	•	٠.	•	•	•
		T FREQ		22-33			2					0		•			0			0	۰, ۳		•	22-23																			3.7
	69	2				1.1	•			•	•	•		•	•	9	•	•	•	0,	9.5		•		1	•	•	•	1.1		•2	•	0		9		0		•	•		ο α • •	
	1963-1969		•		•		0	٥.	•	0	ဝ့	•	.	•		0	•	•	°.	0.0	v	-	•	01-4	•		•		0		٥.	o.	•		0	0	0.	0.					5.2
, > 0 × M	, C					•	0	•	0.	0	•	•	•	•						0.0	-	,		1-3			10	0	•	•	•	•	•	•	0	•	•	•	•	•	•		
0			•	5 7		3-4	5-6	7	8-9	10-11	7.	7 -	1	23-25	6.49	3-4	1-4	9-6	1-7	1-8	TOTAL	9	5	HUH		1-2	3-4	5-6	7	8-9	10-11	15	3-1	10	3-2	6-3	3-4	1-4	7.	71-10	87+	٠ -	PCT

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AREA 0007 UNIMAK

																									GRAND	41	132	V a	7 4	0	0	•	ĸ	0	0	0	0 0	0	o c	o c	0	0	460	100.0
N.			TOTAL	υž	15		•	~	~ .	V C	0	0	0	0	0	0	0	0	0	0	'n,	12.6			TOTAL		12		V	^	0	0	0	0	0	0	> C	•	> C	•	• 0	0	4	9.8
UNIMAK 157-169			48+	•			•					•		0		0.0	0.0		•	•	0	•			48 +	0	္	•	•	0	0	•	•	•	•	•		•			•	0	0	•
A 0007	FT)	MS	24-45		•									oʻ.		•	•			•	0 (•	į		34-47	0	•	•	•	0	0	•	0		•	•	•			Ç,		•	0	•
S3NE	IGHTS (22-33	9	. 2	4.	~	~	7.	. 0	•	•	0	٠,	0.4	•		•	•	•		1.			22-33		o c												•		0		ın	1.1
	SEA HE		11-21	•		•	۲.			•		•	•	•	٠ •	٠ •	•	•	•	•	(1)	•			11-21		7.0				•		•								•		7	
	VERSUS		4-10		1.3		4.	•			0			0			•		•	0	⊸	3.1			4-10	•	2.0				0		0				•				0		-	
E 13	DIRECTION		1-3	7.0										0,1	•			•		0.	7	1.			1-3	0.	o c	•	•	0	•	•	0.	•	•		•	•			0	•	0	•
TABLE	(KTS) AND		TOTAL		16		•	m (v -	10	0	0	0	0 (0 (o (> 0	> (> (٥,	13.1			TOTAL	10	7 6	1 2	-	7	-	0	0 ()	o (o 0	> C	· c	• 0		0	0	∞	17.6
	SPEED			90		•	•	å	•		•	•	•	•	•	•	•	•	•	• ·	o (•			48	•	•	9	•		•			•		•	•		•		0	•	0	•
	OF WIND		34-47	0 0	•	0.	•	0.		•	•	•	•	္ "	•	•	•	•	•	•	၁	•			34-47	•	•	9	7	0	0.	•	•	•	•	•	•		0	•	0	•	-	. 2
	T FREG		22-33		0																	7.7	3	(22-33	0.0			0	•	• 5	•	• ·	•	•	•	•		•	0	0	•		1.3
6.0	PC		11-21			•															20,	•			11-21	•	* * *	•	•	4.	•	•	•	•	•	•	• •		0	•	•	0	•	o
1963-1969			4-10							•				•								•		•		 	•	• •	•	•	0	0	ွဲ့	•	•	•	0	0	•	•	•	•	1	7.1
MARY)			1-3	•	•	•	0	o c		? •	•	•	•	•	•	•	•	•	•	•	5 0	•			1-3	٠,																	3 (•
OD: (PRIN			HGT	1-5	3-4	2-6		20 0	> -	13-16	17-19	0-2	2 - 5	0 0	1 1	1 1	10	- 0	10	+ + + +	- 6				F 5	. 7	7 - K		7	8		12	7		3 5	7 6	3 6	1-4	6	1-7	8	87+	58	ر

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PERIOD: (PRIMARY) (OVER-ALL) 1963-1969

UNIMAK 157-165W																							
AREA 0007 53N-CDAST																							
		TOTAL	99	134	123	82	46	19	5	9	2	0	0	0	0	0	0	0	0	0	0	487	100.0
	(FT)	+8+	0.	0.	•	0.	0.	o.	0.	•	0.	•	•	٥.	•	•	•	•	0	•	0	0	0.
(LN	HEIGHT (FT)	24-47	•	•	•	•	• 5	•	•	0.	•	•	•	•	•	•	•	•	•	0.	•	7	•5
TABLE 18 (CONT)	VS SEA	22-33	•	•	1.6	3.1	4.5	1.4	1.4	4.	1.0			•									
TABLE	(KTS)	11-21	•	12.1	16.8	11.1	4.3	2.3	4.	• 5	0.	0.	•	0	•	•	•	ပ္	•	•	0.	230	47.2
	SPEED	4-10	6.2	14.6	4.9	2.7	4.	• 5	•	•	•	•	•	•	•	•	0	Ö	•	•	•	148	30.4
	MIND	6-0	7.4	80.	4.	0.	•	•	•	•	0,	•	ပ္	0.	•	•	•	•	•	•	•	42	8.6
		HGT	₽	1-2	3-4	9-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	09-65	61-70	71-86	87 +	TOTAL	PCT

TABLE 19

	MEAN	9	'n	9	7	5	11	0	4	,
	TOTAL	228	142	104	17	7	2	85	580	100.0
	87 +	•	0	•	•	•	•	•	0	0
	71-86	0.	•	•	•	•	•	•	0	•
	1-70	•	•	•	•	•	•	•	0	•
	49-60 61-70 71-86	•	•	o.	•	•	·	•	0	0.
â		•	?	•	•	•	•	•	0	•
(SECONDS)	3-16 17-19 20-22 23-25 26-32 33-40 41-48	•	•	•	•	•	•	•	0	•
PERIOD (26-32	•	•	•	0	•	•	0	0	•
WAVE PER	3-25	•	•	•	•	•	•	•	0	•
	0-22	•	•	•	•	•	•	•	0	•
IT (FT) VS	7-19 2	0.	°	•5	•	•	•	•	-	• 5
нетснт	3-16 1	6.	.2	1.6	•	•	•5	•	13	2.2
F WAVE	12 1	•	e.			0	•	•	•	1.0
FREQUENCY OF	.0-11	.7	1.0	1.0	۴,	•	•	•	18	3.1
FREQU	8-9 10-11	1.2	1.7	5.9	6.	•	0	•	36	6.7
PERCENT	7	5.4	5.0	4.7	ů.	•	2.	•	73	12.6
	5-6	7.1	8.4	4.8		ů,	•	•	124	21.4
	3-4	12.8	4.8	1.7		•	•		116	20.0
	1-2	13.1	5.9		•	•	•		66	17.1
	∵	1.7	0	•	•	•	0	0.41	16	15.7
	PERIOD (SEC)	9	2-9	6-8	11-01	12-13	614	INDE	TOTAL	PCT

AREA 0007 UNIMAK 53N-CDAST 157-165W	BY WIND DIRECTION	OTHER WEATHER PHENOMENA HDR FUG SMOKE DUST NO TNG WO HAZE BLWG DUST SIG PCPN BLWG SNUW WEA	0.0	0.00	0 0	.2 2	0.0	(r)		9	0	11	5.2	3	•	3.2	66.0			NO NO SIC	70	63.3	67.
	BY WIND DIRECTION	OTHER WEATHER FUG SMOKE DU MO HAZE BLWG PCPN BLWG	0		•	۰.	•	0.0	•	•	0	- 0								Õ ⊢≥			
AREA 538	BY WIND DIR	OTHER WE FOG SMOK WO HAZ PCPN	•	• •	•		_					-	•	•	•	0.4				ATHER PHENDMENA E DUST NO E BLWG DUST SIG BLWG SNDW WEA	•	• 5	4.
	BY WIND	10.4 0.4 0.7	יה יי	0			•	0 %		-	7.	0 -	::	•	•	0.0	1.0		HOUR	HAZ	1.0	60	•
	7	Z S				1:1	۲.	2.4	1 8	2.8	2.4	Z.2	4	5.	•	7.5	18.4		В	FOG S	~	22.9	4
	RENC	Ė5	0.0		0,0	••	0.0	• •	•	•	0.	•	?	•	0.	•	•		OCCURRENCE	THOR	•	•	•
	DCCURRENCE	TOTAL PCPN OBS	4 r	, _	10	12	14	4 0	28	35	50	2 (′	10	7	0	263		E 2	WEATHER	TOTAL PCPN OBS	54	61	78
TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME	2.5	14	5.	9.	۲۰.	2.2	1.5	1.7	1.1	. .			•	• 5	13.8	TABLE	9	PCT FREQ PCPN AT OB TIME		12.7	ø
	EQUENCY (HAIL	0.0	•	0,0	•	0.0	•	•	•	•	9 0	0	0.	o.	• •	•		FREQUENCY	HAIL	•	•	•
	7.	TYPE UTHER FRZN PCPN	• •	•	0,0	•	•	. 0	•	•	•	90	0	°	•	•	•		ERCENTAGE	TYPE OTHER FRZN PCPN	•	•	•
	ENTAGE	TATION SNOW	20	•	0 0	•	•	0	•	0	0,0	0	•	•	•	• •	•		PERCE	SNOW C	•	•	•
	PERC	RECIPI FRZG PCPN	00		0,0			•		0	•	•	0	•	0.	•	•			RECIPI FRZG PCPN	•	•	•
		DRZL	2.2		4.0					•						. 10				DRZL	•	9	
-1969 -1969		SHWR	00	•		:-:	o c			•				Ξ:	•	120				RAIN	1.2		9.
1955		RAIN	0.1			9	4.	1,3	•			,,	.2		0	• 0	5.6			RAIN	5.0		•
(PRIMARY) (OVER-ALL)		WND DIR	2 Z	2	E C	EŠĒ	S C	S	MSS	#S	3 3	3 2 3	Z	322	VAR	TOT OBS	OT PC			HOUR (GMT)	60300	60390	12215

		21	4.6	1.6	6.3	5.5	3.9	•	2.3	3.1	5.5	7.0	G	15.5	0	0	7	6.9	•		→	8													
		18	5.5	5.6	3.8	2.5	4.3	8.2	2.6	3.8	4.9	S	11.3	∞ (13.8	-41	1.4	0.4	•	3.2	250	00.00		ជ		, r	- 0		, KO	•	9	60	0	60 6	. 0
1K 165#		15	9.7	8.7	8.7	4.3		6.	4.3	4.3	1.7	3.5	9.6	5.6	0	3	~ (9.6	•	6.	112	00.00		2		2:	- "	J KC		15	20	18			100
UN! MAK 157-169		GMT) 12	3.9	2.4	3.5	1.9	5.2	1.3	3.2	2.8	8.0	2.5	9.5	.0	•1	9.0	6.	2.5	•	6.4	60	~		18	•	•		9.9	12.3	20.2	5	_	٠	3.5	100.0
A 0007		HOUR CO							0.	•	•1	?	-:	.1	.1	7.	7.	•		0.0		• 0 100		15		•	,	• •	5.2	2	2		•	6.	
AREA 53N-CI		Ĭ	4	7	10	7	4			2	12	-	0 1	_	10	22	.	4	•	-		0 100		(GMT)	4	. 4		6.0	'n	20.5	5	~	o,	W. 4	00.00
	HOUR	0	S	6	2	2	2	7	e	7	æ	_	Ξ	0	13	7	_	2	•	4.5	^	100		HOUR C		1.0	10.4	2.0	3.1	6.2	2.3	3,1	•	1.0	00.00
	₽	03	10.9	5.9	5.9	5.9	1.0	•	1.0	3.0	1.0	8	4	16.6	m I	٠,	0	7.0	•	1.00	٠,	100.0		90		ָ	. "	9	0	.5	.4 3	.6	0	5.0	0.
	DAND	8	3.0	3.9	3.4	2.2	4.8	5.4	3.4	2.8	7.4	o	10.5	~ ,	9	0 0	6.9	5.7	• ;	4.6	,	00.00		_						~	7				10,
	SPEED														_							=		60			• •		*				•	• 0	100.0
	10N BY																							00		•	•		3	•	5	6	•	4.64	100.0
. "	DIRECTION	MEAN	_	7	_	7	E	13.1	0	e	7	4 ((1)	n (. n	4 (n .	-	•	12.0	7		34												
TABLE	F WIND	PCT FREQ	0.0	9,3	4.0	2.8	4.6	2.0	3.0	0 .	:	0.0	> (10.1	* (7 C	٠,٠	0.0	,	0.0		0.001	TABLE	MEAN	1	• -	'n	-	13.4	m	m	m	0	12.6	
	UENCY OF	TUTAL	124	82	101	69	114	20	74	74	178	140	247	407	106	770	161	0	> °	2505	2007			PCT	2	9	6.5	5.9	12.9	20.0	24.6	11.7	0.	5.5	100.0
	FREG	48		0				•						•				•	•	c	> 0	•		TOTAL OBS) P	• •	4	324	0	_	6		7505	•
	ERCENTAGE	34-47	•		•	*	*	*	•	•	* •		-	∹ '	7.	7 1			•		17			41+	c	•	0	0	0	•	*	•	•	-	*
696	PER	ED (KNOT 22-33		m.	e.		• 5	•2	.2	w I		•	1.1	•	•	•	•	•	•	•	100	•		(KNDTS) 28-40	*	,			E.	•	1.0	• 2	o.	70	2.8
1955-19 1910-19		WIND SPEE 11-21	5.0	•	•	•	•	1.0	•	•	•	•	•	•	•	•	•	•	•	1	2	•		SPEED 17-27		1	1.4	1.0	3.7	4.8	5.9	3.2	•	~	22.6
4ARY)		WI 4-10	2.2	•	•	1:1	•	€.	1.4	•	•	•	7.0	•	•	•	•	•	•	a		•		WIND 7-16		•	•	•	7.0	-:			•	36	53.8
(PRIMAF		6-0	m.	*		~		•	4		•		•				• "		•	200	J	•		9-0		•			2.0	•				521	
PERIODI		WND DIR	Z	NN	Z	ENE	ш	ESE	SE	SSE	v i	200	200	E / 1	× 7	# 3 Z 2			\$ -	14 TO		2		WND DIR	z	Z.	ш	SE	s	MS	3	Z	VAR	OT OR	TOT PCT

TABLE 4

53N-CDAST 157-165W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

TOTAL OBS	638 631 578 658 2505
PCT FREQ	1000.0
MEAN	13.0 12.5 12.7 12.2
CALM	000 F m m
KNOTS)	000000
SPEED (1	u o w a u a
WIND 22-33	10.7 8.6 9.6 234 9.3
11-21	4444 4064 7064 8408 600
4-10	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
1-3	0.040 ± € € € € € € € € € € € € € € € € € €
HOUR	00603 06609 12615 18621 TOT PCT

.e B

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT.NH >4/8)

TOTAL OBS NH <5/8 6500 8000+ 7999 AND DCCURRENCE OF NH <5/8 BY WIND DIRECTION 010010000117000100048 3500 1000 MEAN CLOUD COVER 000LLLLLLLLL0000 00 1000040L004mm4mucno TOTAL OBS BY WIND DIRECTION 8 & 08860 400000000400004 0-2 WND DIR

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AREA 0007 UNIMAK 53N-CDASI 157-165W
TABLE 7
(L) 1910-1969 (L) 1910-1969
PERIOD: (PRIMARY) (OVER-ALL)

CCURRENCE	(NH)
	VSBV
TANEDUS	AND
SIMULI	74/8)
OF	I N
	HE I GHT
/E PCT	INC
LATIVE	CEILING
CUMUL	5

	# # %	0	2.7	5.7	21.8	43.9	58.2	63.2	63.9	73.3	1300
	- DR	-	2.7	5.7	21.8	43.9	58.2	63.2	63.9	72.9	1292
	• OR >1/4		2.6	5.6	21.7	43.8	58.0	63.0	63.7	6.69	1239
_	- OR >1/2	1.5	2.3	5.4	21.2	45.8	56.6	61.5	62.2	65.8	1167
VSBY (NM	R.	1.5	2.3	5.2	20.9	45.4	56.1	60.8	61.5	4.49	1142
	- 2 2	4.1	2.2	5.5	20.6	41.8	54.6	58.7	59.3	61.3	1086
	* 9X	1.2	2.0	6.4	19.8	38.9	49.5	52.6	53.1	53.9	626
	- BR	60	1.5	3.3	14.2	26.6	32.9	34.1	34.3	34.5	612
	CEILING (FEET)	■ DR >6500	- OR >5000	■ UR >3500	DR >2000	- OR >1000			■ OR >150		TOTAL

TAPLE 7A Percentage freq of LOW Clouds (Eighths)

26.7

PCT FREQ NH <5/8:

TOTAL NUMBER OF OBS: 1773

TOTAL OBS	1856
0980	8.4
••	41.9
7	9.1
•	9.5
41	5.2
•	3.7
M	3.4
8	0.9
-	4.4

0 7.8

		PCT	9.6	1.9	4.7	10.01	25.4	1.5	100.0
		TOTAL	17 181 198	12 36 48	68 US 09 09 09 09 09 09 09 09 09 09 09 09 09	79 110 189	394	29 857 886	1891
		CALM	0.01	•••	044	448	. 1	2.4	4.0
¥ 65¥	z	VAR	000	000	000	000	000	000	00.
UNIMAK 157-165W	ITATIO	X Z Z	0,00	.10	0.1.4		.1 .8 16	2.2	3.7
AREA 0007 53N-CDAST	PRECIPITATION	Z	0.10	71.7	0.12	-422	1.2	4.2 81	119
AREA 53N-	0F	N	ono	01.0	0.1-1	125	1.2	.2 6.5 125	169
	ECTION VS OCCURRENCE OR NON OCCURRENCE ITH VARYING VALUES OF VISIBILITY	3	1.2	010	12.5	4 80 52		9.6 164	287 15.2
	NON OC	MSM	1.3	4.51	0 m m	1.1	4.00	4.4	199
	CE OR	NS	1.6	1.5	-in-0	9 40 0	2.6	3.6	199
LE 8	CURREN	SSW	19	2.1.2	11	.6	1.4.1	1.1 1.9	130
TABLE	I VS OC	S	1.4		048	4.06	1.4	.2 1.9 39	155
	ECTION	SSE	10	11.2	22.2	644	4.06	25.5	3.5
	WING DIR	SE	46,	4.4	.0.2	100	19	15	3.0
	90 F	ESE	000	000	W 0 4	600	.1 .9 19	.0.7.	4.5
	IT FREQ	ш	-e.	44	4.01		1.3	1.4 1.4 28	4.8
	PERCENT	ENE	4.60	-0.7		.0.		17.9	2.6
1955-1969 1910-1969		Ä	0.1.0	ö'nw			1.0	1.3	3.2
_		NNE	0.1.	0.1.	1.1.4	3.1		1.1	36
(PRIMARY)		z	0 19 10	1.0		0 7 6	 6. 13	3.0	4.3
			PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	TOTAL PCT
PERIUDI		VSBY	<1/2	1/2<1	142	2<5	5<10	10+	

FRICE	(AND AND A	1955-1969
	/ TANED ALL	1010-1040

	7 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0,68920	3.1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1.4 7.1 12.1 3.2 23.6	2215 24.0 24.0 24.0	0.00
	24 24 79 88 12 203	22 20 51 51	N 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	21 59 95 30 206	36 177 303 79 595	127 523 588 110 1348	2496 1
	CALM 1	• •	. 2		.7	2 6 4	81 3.2
35 25	× 00000	00000	00000	00000	00000	00000	00
UNIMAK 157-169	3 *N000 Z	01000	00#07	0-1+0-0	* 0.00 m	1.1	3.8
0007 CDAST	3 *0*0N	0.000	0-1000	0 * 1 1 9	04070	3.0	197
AREA 53N. C	3 0NH06	0##0	o*•••	40478	* w o v w	103.47	255
D SPE	3 44NOW	0##01	0440K)	* w w w #	2.0	2 2 2	361
NIM SA	3 * 4 % %	04**4	0 * 0 * 0	2.2.2	 * 04 W W	2.00	253 10.1
ECTION S OF V	N * W	10000	0*	77414	1.27 *	2.0	246
9 DIR ALUE	S S	00.00	177	7*5*7	197.00	1.0.1	146 5.8
TABLE OF WIND ARYING V	N 147.10		0 m m N O	 	1.004		178 7.1
FREQ ITH V	S * # # CO	0#400	444	# NW04	044 * 0	104#0	3.0
PERCENT	SF	***0	00104	«		20000	3.0
_	m 00000	00000	0#~#4	0 * 5 * 0	0 4 4 1 6	0 4 4 7	50
	ш чичою	0 * 4 * 4	017710	0.14.19	04921	- cc cc + 4	113
	# - 2006	000#-	0#4¢#	0#0#N	7.64.16	90700	69 2.8
-1969 -1969	B 0##00	001#6	**	# # o'w	N	62.8	101
1955	N 00108	0,*00-	0*-04	00100	000776	1.5	81 3.2
IMARY) ER-ALL)	Z * - + + w	0,*00⊣	00.00	***0	* 64.11	11.22	122
KIGD! (PRI	SPD KTS 0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
PERI	(NM) (1/2	1/2<1	142	2<5	5<10	10+	

									œ						
									AND/OR	TOTAL	463	439	459	445	1773
X 00		ور	··	0	er.	m	80		Y (NM)	<5/8 0 5+	30.7	26.0	22.4	21.9	644
UNIMAK 157-165		TOTAL OBS	474	440	433	448	1795		F VSB)	AND A	*	_	٠,	0	σ.
		NH <5/8	32.9	26.1	25.6	23.9	489	12	OF RANGES OF VSBY (FEET, NH >4/8), BY	1000+ AND5+	35.4	38.7	41.5	40.0	689
AREA 0007	AND		-	•	.	-	~ 60	TABLE	OF RA!	<1000 <5	33.9	35.3	36.1	38.0	635
3,2,	>4/8).	TOTAL	67.1	73.9	74.4	76.1	1306		FRED	<000 ×	14.3	20.0	19.1	19.2	321
	(FEET,NH >4/8),AND HOUR	8000+	1.7	1.6	1.2	6.	24		CUMULATIVE PCT I	<150 <50YD	4.9	12.1	11.0	4.8	168
	1TS (F	6500	4.	.7	.7	•2	9 10		HULATI	HOUR (GMT)	60300	60390	12615	18621	T0T
10	ENCY OF CEILING HEIGHTS OCCURRENCE OF NH <5/8 BY	5000	•	5.	6.	1.1	14.		กั	75	8	90	12	18	
TABLE	CEILIN	3500 4999	2.7	3.2	3.7	2.5	3.0								
	Y DF ON ORREN	2000	16.5	15.2	15.2	16.7	286 15.9			TOTAL OBS	463	439	459	442	1773
	FREQUENCY DCCU	1000	18.6	21.6	23.6	24.3	394		BY HOUR	10+	62.0	55.4	51.3	57.9	1006
	}	666	14.8	13.2	14.1	14.1	252		(NM)	5<10	19.7	24.1	25.9	20.4	398
	PERCEN	300	4.6	4.8	3.7	6.7	89	ite 11	VSBY	2<5	4.6	5.9	7.9	٠.	135
		150	4	6.	•5	1.3	13	TABLE	FREQUENCY VSBY					80	
0.0		000	8.9	12.3	11.1	8.3	171			1<2	3.0	2.5	3.3	5.0	61
1955-1969 1910-1969			60			21			PERCENT	1/2<1	1.1	2.3	1.9	1.1	28
		HOUR (GMT)	0000	06609	12615	18621	T0T PCT		۵	<1/2	5.8	9.8	8.6	7.5	145
(PRIMARY)										HOUR (CMT)	60300	60390	12615	18621	51 E1
PERIOD: (r	0	0	1	-	
PER															

TDTAL DBS 495 496 450 520 1961

PERIOD: (PRIMARY) 1955-1969 (OVER-ALL) 1910-1969

AIR		URE	DEG F	TA	TABLE 17	7 DCCURE	ENCE	0F F0G	AR 53 (WITHOU	AREA 0007 53N-CBAST DUT PRECIF	TABLE 17 53N-CGAST 157-165W F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA	AIR-S	· C	EA T	EMPER	ATURE	DIFFE	RENCE	TEMPERATURE DIFFERENCE (DEG F	•		
AIR-SEA 41	41		4 4 2 4	50	53	57	61	6.5	TOT	3 C	
	:		}	,	>	3	•	0		2	20
14/10 .0	•		0	•	•	7	.1	٠,	4	•	•2
	•		0	•	.2	.2	ب	٠,	15	•:	۰.
•			٠.	-	9.	.7		•	27	•2	1.3
•		·	6	9.	1.3	.7	۲.	•	53	*	2.6
7.		•	• 5	• 5	∞.	٠.	٠.	•	35		1.9
.1		•	.3	1.5	1.8	9.		•	77	1.0	3.4
		-	m	2.7	3.8	4.	•	•	147		6.7
		-	7	4.0	3,3		•	•	151		7.2
•		-	0	7.5	3.6	÷	•	•	235		10.7
1 .0 1.8		-	œ	9.9	3.4	.2	•	•	210		6.6
₹.		*	_	9.1	3,3	τ.	•	•	289		13.5
		2	٠	5.3	1.5	•	•	•	160		7.7
		2	_	4.4	.7	•	•	•	141		8.9
		-	æ	5.4	• 5	0	•	0.	76	6.	3.5
		÷	9	1.1	۲.	•	•	•	48		2.3
		-	4	.7	•	•	•	•	39	.5	1.7
		•	~	ď	٠.	•	•	0.	20	•2	6.
. 0. 8-//-	•	•	S	•1	۲.	•	•	0.	10		•5
•		•	-	.2	•	•	•	•	ار	•	6.
20		n	383	821	430	73	13	7	1742		1417
1:1		22	22.0	47.1	24.7	4.2	.7	- :	100.0	18.7	81.3

PA 1E 081

				TOTAL	, ~	16	_	~ (n C	• 0	0	0	0	0	0 0	o c	• •	0	0	0 8	•	*		TOTAL	m	13	13	0	m	0	o c	-	0	0	0	0	0	90	•	• •	0	4	0.9
***	157-165W			+8+	•	ę	0.	٠ •	9 0	0	0	0.	•	•	o .		0	•	•	0,0	0	?		48+	•	•	•	0	•	•	•	9	•	•	•	•	•	•	9	•	•	0	•
2000	53N-CDAST	FT)	NE	34-47	0	0	o,	٠ •	. 0	9	•	•	0	0.	•	9	0	0	•	•	٠,	:	SE	34-	•	•	•	0	•	•	•	0	•	0.	0	•	•	•	0	0	•	0	•
Ġ	531	HEIGHTS (22-33		•			0					•	•		0	•	•	0,4	0 0			22-33	•	•	0.	٠.	•	o c			•	•	•	•	•	•	•	0	•	7	
		SEA		11-21	. "	2.1	۲.	•	•	0	•	•	0	•	•		0	•	•	0,5	2 2	•		11-21	•	4.	6.	o. 1				0	0	•	0	•	•	2	0	•	•	~	5.4
		VERSUS		4-10		•1	•	•	•	•	•	•	•	• ·	•		•	•	•	0.0	-	•		4-10	e.	1.4	1.0	m .	: '	•	•		ô	0.	0.	•	•	•		•	0.		3.1
חר א	TABLE 18	ID DIRECTION		1-3	: -:	•	•	•		•	•	0.	•	•	•	•	•	•	0.	• -	•	:		1-3	7.	•	•	•	•	•		0	•	•	0.	•	•		•	•	•		•1
	1	(KTS) AND		TOTAL	0	11	•	7 0	, 0	0	0	0	0	9 (> c	0	0	0	0	0 2		•		TOTAL	6	16	18	ו מי	- ^	9.0	۱	٠,	0	0	0	0 (0 (o c	0	0		2	1.1
		SPEED		+84		•	•	•	0	•	•	•	•	•	•		•	•	•	o c	0 0	•		48+	•	•	•	•	•	•	9	•	•	•	•	0	•		•	•	•	0	•
		OF WIND		34-47	0	0.	•	•	•	0	0	•	0	္ (•	•	•	•	•	•	0	•		34-47	•	•	•	•	·	•		•	•	•	0	•	0	•	•	•	•	→ .	•
		CT FREG		22-33	•	6.				0						•				o 4	0	•	ш	22-3	•	•			•					0.		•		9		•		=	
	69	PC		17-11		1.0			•			°.	•		9 6				•	0.5	, ,	•		11-21	•	1.3	•	4.	•	; ∘		•		•				•	•	•	•	m	4.4
	1963-1969			4-10					0			•				0				0 5		•		4-10	•		7			•		•		•	0,0		•			0.		→	
(> G A M I d	R-ALL)			1-3 1-3				•		•		•	o c	•	•	0			•	٥,	י נ	•		1-3	•	•	•	•	•	•			•		•					0	•	0	•
PERIODI (PRI	0			₹\$	1-2	3-6	9-6	0	10-11	12	3-1	7-1	20-22	2-6	3-6	1-4	9-6	1-7	1-8	+/8	ם כ	2		HCT	₹	1-2	3-6	0,0	0-6	10-11	12	3-1	7-1	0-2	7	0 0	4 1 4	40	7	1-8	87+	TOTAL	7

																								A	TOTAL	S	9	214	\$.	0 c	, r	13	60	0	0	0	0 (0	o c	0	0		2	100.0
3E			TOTAL	13	0 4 0 0	4 4	21	•	σ, ,	•	V	0	0	0	0	0	0	0	0		8	•		TOTAL		co (19		n c) C	0	0	0	0	0	0	> 0	o C	00	0	0	ĸ,	8
UNIMAK 157-16			48+	•	. c	0	0	•	0	၀ (•	•	9	0	•	•	•	0.	•	•	0	•		48+)	•		0.0	•	•		0	0	•	•	0	၀့	•		0	•	0	0	•
A 0007	FT.)	I S	34-4	•	9 0	0	•	•	•	.	•	•	0	•	•	•	•	•	•	٥,	4	9	3 2	34-47		0.												•				•	0	•
ARE 53N	IGHTS (22-33	o c) I-																2	w w		22-33	,	o, c					. 0										0.	0.	m -	4
	SEA HE		11-21		T . 7		•	9		-; •	•			•				0.	•	•	2	14.7		11-21			•		•		•											0	2	
	VERSUS		_	7.1	•		•						· c		0				•		S	7.3		6-10	•	•												•	• •		•	0	~	3.1
ABLE 18	DIRECTION		1-3	·;			•													0.	4	9.		1-3		.	0				0				•		• •					0.	7	·.
TAB	(KTS) AND		TOTAL	დ (9.50			۲ .	- (7 (۹ (o c	• •	0	0	0	0	0	0		I.	16.4		TOTAL	,	17					9 (4)	4	-	0	0	0	0 0)	o c	0	0	0	17	•
	SPEED		+8+	ဝ ၀	9 0	•		•	•	ė.	•		0		•	o.	•	•	•	0	ပ	•		48+	1	•	0	္			0			•	0			•		0	•	0	0	0
	OF WIND		34-47	• ·	•	0	•	0	•	• ·	•		•	0.	0.	•	•	•	•	ဝ	M	4		34-47		၁ (0,0	.	•	10	•	•	•	•	္	•	•		0	0	•	·	,	₹.
	T FREG (S	22-3	•	• -	9	4.	ų,	•	•	•		0	•	•	•	•	•	•	•:	⊣	1.0	.38	22-33		• ·	• •	0 1	•	1		۰.	٦.	•	0	0.0	• 0	•		0	•	0!	⊣	7.7
69	90		-	o c	• •		•														n			11-21		•	•	•		• (•	•	•	•	o o	•	• •	•	•	•	0.0	∞.	11.4
1963-1969			~	1.0	• •		٦.	0.0	o c	• •		0	0	•	•	0	•	•		0.5	4			4-10		or 0	•	•	•													٠;	` (1001
MARY) R-ALL)				• -																	-₁,	:		1-3							•											•		-4 • -1
DI (PRI)			HGT	۲.	3-4		~	8-9	1 0	77	7 - 7	0-2	23-25	6-3	3-4	1-4	9-6	1-1	1-8	87	5 6	ر		HGT				1 1	-	. 1	10-11	12		7-1	2-0	7-6	2 1 4	4-	9-6	1-7	1-8	87+	5 6	ر

																										MEAN	5 " •	-1	•	. ,	- 0.		4	
																										TOTAL	394	218	102	27	o	110	Φ)	100.0
																										87+	•	•	0.	•	•	•	0	•
	AK 1651																									71-85	•	•	•	•		•		•
	UNIMA 157-1																									61-70	•	•	•	•	•	•	0	•
	A 0007																									49-60	•	•	•	•		•	0	•
	ARE/																								(\$	41-48	•	•	•	ġ,	. 0	•	0	•
			TAL	103	162	214	143	49	54	15	13	œ	0	0	0	0	0 0	> 0	5 C	> C	> c	746	0.0		(SECONDS	33-40	•	•	o.	0	•		0	o.
			+ TOT +					_	_	_	_	~	_	_	<u> </u>	~ /	~	.	.	٠			0 100		ER100 (26-32	•	•	0	•	•	0	0	•
		(FT)	4	•	٠	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		WAVE PER	3-25	•	ပ္	•	•	•	0	0	•
-	(CONT)	HEIGHT	34-47	•	•	•	•		œ.	•	4.	Š	°	਼	٥٠	•	•	•	•	•	•	-	1.3		۸S	0-22 2	•	•	•	• c	•	•	0	•
	18	VS SEA	22-33	•	•	•	2.1	•	•	•	1.1	ň	•	0	o e	, o	ຸ	•		•		79	10.6	19	IGHT (FT)	17-19 2	•			•	•	•	⊶.	:
	7ABLE	(KTS)	11-21	•	7	17.4	3	2.6	1.5	1:1	.3	•	•	•	0.	9	•	•	•	•	•	349	46.8	TABLE	E	13-16	.5	• 5	æ (•	•	•	_	0.7
		SPEED	4-10	•	13.8	8	3.2	÷.	۳,	•	•	•	•	•	•	2 0	•	•	•	•		• •	32.6		OF WAV	12					2		~	
		HIND	6-0	7.6	٠,	۳.	۳.	•	•	•	•	•	•	•	•		•	•	• 0	•	•	65	8.7		FREQUENCY	10-11	1.2	.7	•	• ·	: -:	•	2	9
			-		2	4	9-6		•	11		-	~ •	~	~ 1	η,	* 3	٠,	0 0	٠ ه	5 4	۸L	<u></u>			8-8	0	.5	•	9 0	•	•	S	•
			HGT	⊽	7-1	4	5	7	a 0	-01	12	é	۲,	١,	, n) 	0 -	4 0	4 4 4		1 6	TOT	2		PERCENT	7	•	5.7	•	•	7	*	1,	•
	1963-1969																									5-6	•	9.6	•	•	•	• .	175	5
																										3-4	•	4.6	•	10	•	•	232	•
	(PRIMARY)																									1-2	11.6	•	7-		•	•	116	•
																										₽	1.9	•	•	0	•		121	•
	PER1001																									PERIOD	\$ \$	2-9	100	12-13	>13	INDET	DTA P74	2

PERIODI

		TOTAL OBS	7		~• (€ (30	17	65	99	7.1	72	153	117	185	141	280	197	1	101	00	0	35	-	100.0				TOTAL	680	411	403	379	395	-	100.0
UNIMAK 157-165W		E I C	0			1:1	4.	1.3	1.3	1.9	2.1	4.2	3.7	6.1	2	13.0	, ,	• 4		0.7	0	1.5	7 (2	61.8			ANA			65.2	59.0	62.0	61.5	985	61.9
AREA OOO7 UNIM	z	WEATHER PHENDMEN SMOKE DUST N HAZE BLWG DUST S BLWG SNOW W	Ç	? •	•	•	•	•	•	•	•	7.	•	0					•	9		•	-				HER PHENDMEN	DUST	BLWG SNOW	.2		•			7
AREA 53NEC	RECTION			•	•	•	•	7	o.		•	-		-	-	•	,	•	•	-	•	∵ ∶	7.7	œ.		HOUR	WEAT	SMOKE	u	•	1.0		1.0	12	Φ.
	WIND DI	FCG HE			•		•	1:1	4.			•	•	3.9	•	•	•	•		*	•	• •	7	21.8		B¥	DIHE	5	PCPN	23.8	22.5	17.2	8.22	344	21.6
	₽	THDR	c	•	ວຸ	•	•	•	•	2	•	•	•	0		•	•	•	•	0	•	•	9	•		OCCURRENCE		THOR	2	•	•	•	•	0	•
	OCCURRENCE	TOTAL PCPN 085	^	. ,	⊣ (o (6	56	13	22	11	93	19	56	12	20	71	•	n (7 (0 .	- '	740		2 :	WEATHER DC		TOTAL	085	04	7.1	42	58	248	
TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME				•	•	1.6	•	1.4			•	1.6	•	•	•	• (7•			•		15.6	TABLE	P		PCT FREQ			-	20.8	4.		15.6
		HAIL	C	? (•	•	•	•	•	•	•	•	•	•	C	9	•	•	•	?	•	•	0	•		FREQUENCY		HAIL		•	•	•	•	0	•
	FREQUENCY	TYPE OTHER FRZN PCPN	Ċ) (•	•	•	0	•	•	•	•	•	0	0	•		•	•	•	•	•	O	•		ERCENTAGE	TYPE	OTHER	PCPN	•	•	•	•	0	•
	ENTAGE	SNOW				•					•											•	•	•		PERCE	TATION	NONS		•	•	•	•	0	•
	PERC	RECIPI FRZG PCPN								•	•	•	•	0.					•			•	•	•			RECIPI	FRZG				•		0	•
		DRZL	-		, r	, ,	•	1:1	*	٥.	~	1.1	•	7.0		9						• 0		•			۵	DRZL			6	10.8	. (N	
-1969 -1969		SHER	0							o.	۲.	7.	τ.	•							•		.	•				RAIN				0		•	\$
1951 1921		RAIN	6	· -	÷ (۰	•		ē.	1:1	•	1.0	•	1.2	•	,		•	• -	• 4	101	•				RAIN		•	7.	13.2		3	•
(PRIMARY)		WND DIR	z	: 12 2	אוא היי	2 Z		u i	ESE	SE	SSE	S	NSS	NS	ASS.	3	2	2	1 2 2		24	141		i Li				HOUR		0	Ð	12615	œι	101	PCT

UNIMAK 157-165W		GMT) 12 15 18 21	12 15 18 2	.2 .0 4.3 2.	. 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8 00 7	.9 8.3 2.9 5.	.8 1.7 2.4 1.	1 3.3 5.0 6.	.6 1.7 9.1 9.	.3 16.7 10.6 18.	.9 16.7 8.7 8.	.9 18.3 16.1 19.	5 5.0 10.6 6.	6 8 3 2.9	0, 0.	9:	00 100.0 100.0 100
AREA 0007 53N-CDAST	HOUR	HDUR (0)	60 90	2.6 1.6	0. 7.2	1.0	4.5 9.5	1.9 3.2	5.0 1.6	11.5 4.8	12-0 20-6 1	10.0 4.8	16.5 17.5 1	7.9 15.9	3.3 1.6	0.	.2 .0	100.0 100.0 10
	BY SPEED AND BY	00	0	•	. 4	.0	9 1.	• «	.3 10.	.7 10.	.5 16.	6.2 3.	•05 50•	.5 18.	•	•	1.7 1.	.0 100.
AUGUST TABLE 3	OF WIND DIRECTION	CT MEA	PCT MEAN	9 12.	.6 14.	0 13.	7 15.	.3 14.	.6 14.	.4 14.	2.5 15.	8.8 16.	.7 16.	13.	9 14.	•	2.0 .0	•
	FREGUENCY	48+ TUTAL 085	8+ TUTA 085	50 -	o c	00	•	O C		0 17	0 23	0 16	94	13	90	0	9	3
1969 1969	PERCENTAGE	EED (KNCTS) 22-33 34-47	22-33 34-4	4.		.2		4.0		1.6	2.0	1:1	0.1	· · ·	. 4	•	40 808	16.2 2
RIMARY) 1951- VER-ALL) 1921-		WIND SPI 3 4-10 11-21	4-10 11-21	1.0 1.	1.0	4	1.4 1.	٠.۲	1.5 2.	2.9 4.	3.2	1.8 5.	4.4	2.3	9 1.	•	26 91	7 28.2 48.8
PERIODI (PR		WND DIR 0-3	DIR 0-	2 2 2	•	• •	•	•	• •	•	• •	•	•	•	• •	VAR	CALM 2.	T PCT 4.

								TOTAL OBS	43	29	45	9	63	73	105	242	95	80 C		1206
						>4/8)		NH <5/8 ANY HGT	1.0	7.	-,	15	4 80	۲.	1.6	7.1	0.4	1.3	7	300
AK 165W						(FT,NH >	ION	8000+	• •	77	000	•	::	77	::	20	0	- 0	0	1.0
UNIMAK 157-165							DIRECTION	6500	1.0	00	-: 0	•	•••	0 0	•	-: -:	:	0	0	010
REA OUOT						G HEIG	UNIM	5000	0.1	00	000	•		0.0	•	-0	0	.0	.1	u 4
ARE 53N		S S	4480 4481 419 868			CEILING HEIGHTS	<5/8 BY	3500	20	00	• -	7	on	4 6		0.0	9.	0.0	1,	3.8
	2	TOTAL Q OBS	-	5	8LE 6	96	I N	2000	2.5	<i>w</i>	C: 1	. e	. 6.	•	•	1.0	•	~ 0	• 0	15.0
	R (GMT	PCT	1000	001	TABL	FREQUENCY		1000	۲: :	4 4	۲.	1.2	2.0	1.1	2.1	 	1.4	n o		237 19.7
	BY HOUR	MEAN	15.6				OCCURRENCE	666	4 2	0.0	1.0	1.0	2.3	1.3	1.6	2.6		4.0	• 0	15.6
4	SPEED	CALM	7.1 1.9 2.3 7.6 7.6	0.7		ERCENTAGE	AND 0	300	~0	2.0	2.6	.1	n @	4 ~	9	1.0	0.	.°		4.9
TABLE	ONIM	(KNOTS)	00000	•		•		150 299	0	-:0	70		2.2	200	2	2.2	0.	00	0,0	1.7
	ICY OF	SPEED (• 7				000	.2	.1	ۍ ښ	1.2	2.2	1.2		۲.	2.	۰.۰	2.5	12.6
	FREQUENCY	WIND 522-33	18.5 16.2 18.7 13.5	7.61																
	PERCENTAGE	11-21	50.0 50.0 50.0 911	0		(EIGHTHS)	Z V	LOUD	6.0	7.3	7.7	7.5	7.6	7.7	6.9	6.1 5.7	5.3	E 0.		0
	PER	4-10	29.6 26.2 29.1 27.9 526	•				AL C	43 11	29 11	45 26	09	119	116	105	242 109	95	20 CO	24	0.0
		1-3	2.2.4 5.3.6 5.3.6	•	2	CLOUD AMOUNT	DIRECTION	101 3 80 03		N O	၁ ဆ	-,		- •	~ .	o	٦,-	- 0	•	7 7 7
1-1969		HOUR	10603 16609 12615 1621 107	3	TABLE	. כרםת	WIND DIR	7 8 08S	1 1 3	<i>1</i> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2	.,	100	- 4 U O	9 2	4. N 9. G	1 2	. 0	44	9 57
) 1951 L) 1921			0014			TOTAL	BY WI	4 5-				•	::	2	~ 1		m		"	26.
PRIMARY)						FREG DE		-2 3-	.2 .2	m O	00	~ .		o c	٠.	.5.	.3		71 œ	
PERIODI (PCT		o NIC			• • •					7.1			U	6 10
G F								O ON	NN	ENE	ESE	as i	707	* 0 * 0	NS.	3 Z	Ž	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	J	101

TABLE 7
1951-1969) 1921-1969
PERIOD: (PRIMARY) 1951-1969 (OVER-ALL) 1921-1969

DCCURRENCE	(EZ)
	VSBY
ANEOL	AND
DF SIMULTANEDUS	>4/8)
P	I N
PCT FREQ	NG HE I GHT
CUMULATIVE	CEILING
CUMUS	9

AREA 0007 UNIMAK 53N-CDAST 157-165W

	• 8 %	2	1.5	1.9	5.7	20.8	40.5	56.2	61.0	62.6	75.0	106
	■ 0R		1.5	1.9	5.7	20.8	40.5	56.2	61.0	62.6	74.5	895
	- OR		1.5	1.9	5.7	20.8	40.4	56.0	60.7	62.4	70.8	851
2	* OR	•	1.5	1.9	5.7	20.7	40.3	55.8	9.09	62.2	67.1	807
VSBY (NE	# Z		1.5	1.9	5.7	20.7	40.5	55.7	60.3	62.0	65.2	184
	# 8 %	1	1.5	1.9	5.7	20.6	39.9	54.6	59.5	60.3	62.6	752
	■ OR		1.2	1.7	5.5	19.2	37.3	6.65	53.3	53.9	54.9	099
	# 0R		1.1	1.4	4.3	13.7	25.1	32.1	34.2	34.4	34.7	417
	CEILING (FEET)		■ DR >6500		/\	/\	•		■ DR >300	^		TOTAL

TOTAL NUMBER OF OBS: 1202 PCT FREG NH <5/8:

25.0

TABLE 7A

(EIGHTHS)
cranss
LOM
90
FREQ
NTAGE
PERCE

_	4
085	1284
0 BS CD	10.8
60	37.5
7	10.2
•	11.0
10	5.8
4	4.7
m	5.4
7	9.9
-	4.0
0	4.0

PAGE 088

AREA 0007 UNIMAK 53N-CDAST 157-165W TABLE 8 AUGUST PERIOD: (PRIMARY) 1951-1969 (OVER-ALL) 1921-1969

		PCT	1.5	4.24	9.0	4.0 6.9 10.9	4.8 19.7 24.5	1.3	100.0
		TOTAL	23 140 163	30	33 61 94	63 99 162	75 308 383	21 672 693	1566
		CALM	044	000	0.1.1	1.24	ō w n	1.2	33
MSC.	7	VAR	000	000	000	000	•••	000	00
157-165W	ITAT I DI	N N	0 7 7	0.1.0	000	4.4	0.00	2.1	50 3.2
SAN-COASI	PRECIPITATION	Z	47.5	000	0.00	4.4	1.0	4.8	100
23N=(J.	Z	22.0	1.44	a	-4.6	2.0	5.2	144
	OR NON OCCURRENCE VISIBILITY	*	0.7.1	4.6.11	040	1.0	4.7	9.6 9.6 154	289 18.5
	DR NON OCCU	MSM	2. 6. 13	2.6.	0,00	01,	1.7	4.3	138
	E OR N	N.S	1.7	4.4.5	5.8	.2 .8 16	2.7	£.0.4	185 11.8
מ	URRENC ALUES	NSS	1:1	1.6.1	146	13.6	1.4	2.0	116
IABLE	CTION VS OCCURRENCE TH VARYING VALUES DE	s	1.5	1.91	40	9.08	1.7	2.3	151
	CT ION	SSE	ဝ်ကို ဆ	-; -, m	.2 .6 12	1.0	1.1	1.9	4.5
	WIND DIRE	SE	1.00		6.40	4.1	. 2 . 8 15	1.1	4.4
	OF WIN	ESE	4.5.1		3 w 4	6.40	444	1.10	39
	FREQ	ш	10	2.1.0		8 4 8	4.0.5	0.6.4	4.2
	PERCENT	ENE	iiu	0	000	4.1.5	5.1.5	ow4	1.1
1061	Δ.	NE	-40	000	4::4	~ m m		 8. 13	39
1761		NNE	000	000	000	000	1.6.0	041	13
, DVEN-ALL,		z	ow4	000	•••	4	10	1.8 29	3.0
300			PCP NO PCP TOTAL	TOTAL PCT					
		VSBY (NH)		1/2<1	142	2<5	5<10	10+	

	PCT	04 - 60 0 10 10 4 0	10810	44.44.44.44.44.44.44.44.44.44.44.44.44.	0440 01110	24.99 24.99	14.6 24.1 6.7	0.00
	TOTAL	11 46 165 165	117 34 20 73	92479	48 75 179	21 219 219 98 449	245 444 1124 880	1844 1
		, 4	• •	7 7	ý 4	w 0	1.1	35
¥6.	VAR	00000	00000	00000	00000	00000	00000	00
UNIMAK 157-16	Z	0-1-0-0	0.100%	000.	300NW	11.6.10	w	2.9
000 / 0AST	3	01204	00000	04400	00011	10464	2.5 2.5 7.7	127
AREA 53N-C	2 2	07779	00114	011110	00440	0.087.2	3.2	176
ID SPEE		0,,,0,	01242	04-40	0 2 7 2 2	2.00	12.00	349
NIN SY	MSM	0	11511	01710	0 4 8	2.7.0	100 100 100 100	161
CTION	35	2,000	04444	0 0 0 0 0 0	23.750	01	1.00	232 12.6
LE 9 ND DIRE	NSS.	067.00	0.74.01	0.44.16	0 7 4 1 6	W	000.00	128
TAB	S	0 2 7 2 7	1,,,,,	01610	0444	250000	1	173
FREG	SSE	0 - 4 - 6	0	11412	0444	-4nu4	01446	4.5
PERCENT		-66-12	00444	00488	1.04.67	164.49	4 W W W W	4.4
a	ESE	10004	00101	01114	01110	1 4 2 4 5	150991	42
	w ·	12270	11000	44046	14068	04000	0 4 4 4 7	3.6
	E E E	0	00101	00000	04444	01010	04.00	1.0
1969 1969	w -	11216	00000	01114	0 2 7 7 8	-2100	2.5.3.2	48
1951- 1921-	N N	00000	00000	00000	00000		00000	8.
MARY) R-ALL)	z	11004	0000	00000	01112	0.22.0	20020	3.0
ERIOD! (PRI (OVE	S	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
PERI	VSBY	<11/2	1/2<1	142	245	5<10	10+	

AUGUST

	UNIMAK 157-165W		TOTAL OBS	328	310	277	311	1226						
	AREA 0007 53N-CDAST	9	NH <5/8 ANY HGT	27.1	21.6	30.7	24.4	317						
	A R	>4/8),A	TOTAL	72.9	78.4	69.3	75.6	909						
		EET, NH 3	8000+	•	1.9	4	1.0	12						
		HTS (FI	6500	6.	•	•		o v.						
ST	10	NG HEIGNH VS/	NG HEIG	NG HEIG	NG HEIGNH 45/	4G HE I GH NH <5/8	S HEIGHT	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8), AND OCCURRENCE OF NH <5/8 BY HOUR	5000	ė	•	•	•	พ จ๋
AUGUST	TABLE 10	CEILIN CE OF	3500	3.7	3.9	4.0	3.5	3.6						
		CY OF CURREN	2000	17.4	14.8	11.9	14.5	181						
		REQUEN DC	1000	4.9 12.8 20.4	6.5 16.5 17.4	3.6 15.2 18.4	21.9	240 181 19.6 14.8						
		CENT F	009	12.8	16.5	15.2	4.2 17.0	188 15,3						
		PER	300	4.9	6.5	3.6	4.2	59						
			150	2.1	2.3	1.1	1.0	20						
	696		149	9.8	13.9	14.8	11.6	152						
	1951-1969) 1921-1969		HOUR (GMT)	60300	60390	12615	18621	T0T PCT						
	PERIOD: (PRIMARY) (OVER-ALL)													
	GD : (P													
	PERI													

	AND/OR	TOTAL OBS	320	303	271	308	1202
	HOUR	NH <5/8	25.3	20.1	28.4	23.1	290
	VSBY	N A O		,,	,,	•	
12	1GES DF NH >4/8	0 1000+ N AND5+ A	45.2	36.3	31.7	38.0	448
TABLE 12	OF RAN	<1000 <5	17.5 32.5	22.8 43.6	20.7 39.9	18.5 39.0	238 464 19.8 38.6
	FREQ G HGT	<000 <1			20.7	18.5	238
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) CEILING HGT (FEET,NH >4/8),BY HOUR	<150 <600 <1000 <500 <1000 <1000	10.3	13.9	14.8	11.4	150
	CUMULAT	HOUR (GMT)	0000	60390	12615	18621	PCT
		TOTAL OBS	320	303	271	308	1202 190.c
	BY HOUR	10+	59.4	54.1	50.9	56.5	666 55.4
	(EN)	5<10	23.4	22.4	25.5	23.4	284
TABLE 11	PERCENT FREQUENCY VSBY (NM) BY HOUR	2<5	5.6	9.5	10.0	7.1	9.2
	FREQUE	142	3.1	4.0	3.0	1.3	34
	PERCENT	1/2<1	9.	5.6	2.2	5.9	25
	_	<1/2	7.8	7.6	8.5	80	98
		HOUR (GMT)	60300	60390	12615	18621	707 PCT

♦... **5**

*

0160014

0000000

101AL 1085 373 376 322 388 1459 TABLE 17

E 17

AREA 000' UNIMAK 53N-CDAST 157-165W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

POS	
# D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
T0T	11 138 140 158 158 1184 111 134 1000
68	.0.000000000000000000000000000000000000
61	
57	
53	
49 52	114484N4W0
4 8 8 8	000000110000141.0017001704
4. 1.4.	
AIK-SEA TMP DIF	17/19 14/16 11/13 9/10 7/8 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

PERIOD

3	10 TAL 72 74 75 75 75 75 75 75 75 75 75 75 75 75 75	101 101 100 100 100 100 100 100 100 100
UNIMAK 157-165	+00000000000000000000000000000000000000	+ 00000000000000000000
A 0007	mw 4	mw 41 700000000000000000000000000000000000
ARES 53NC 1GHTS (M 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 -
SEA HE	1,2,2,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,	11 2
VERSUS	1	4
AUCUST TABLE 18 AND DIRECTION	L	# 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
AUC TAB (KTS) AND	TOTAL 4 4 4 4 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4	101 b 1 b 1 b 1 b 1 b 1 b 1 b 1 b 1 b 1
SPEED	+00000000000000000000000000000000000000	+00000000000000000000000000000000000000
OF WIND	w 	#
T FREQ (m 0 0 0 m N 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
69 PC	11-21 1-60 1-60 1-60 1-60 1-60 1-60 1-60 1-6	11-21
1963-190	1	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
MARY) R-ALL)	u u u u u u u u u u u u u u u u u u u	400000000000000000000000000000000000000
OD: (PRII	101 10 10 10 10 10 10 10	H H H H H H H H H H H H H H H H H H H

**

4,6

	SCAMPOOL	-			
TK 100 2	PRIMA	-			
	01110		410.		

		100.00
3	105 16 16 33 31 44 10 00 00 00 105 21.6	11 14 14 14 10 0 0 0 0 0 0 0 0 0 0 0 0 0
UNIMAK 157-165W	* 0000000000000000000000000000000000000	* 0000000000000000000000000000000000000
IREA 0007	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	74 000000000000000000000000000000000000
A 50 10 10 10 10 10 10 10 10 10 10 10 10 10	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	E 0044000000000000000000000000000000000
A 37	11-21	1
200	1 . uw 0 % 4 w % 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 1000000000000000000000000000000000000
ST E 18 DIRECTION	m	# 000,7000000000000000000000000000000000
AUGUST TABLE (KTS) AND DI	TAL 1122222222222222222222222222222222222	10TAL 29 29 21 21 12 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
SPEED	4	†
	4	7 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0
 	3	2.2 2.2 3.1 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
69 P	1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2	11-21 2
1963-196	4 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
MARY) R-ALL)	H	m 000000000000000000000000000000000000
): (PRI)	HGT A11 A12 B1-2 B1-4 B1-1 B1-1 B1-1 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4 B1-4	HGT 11-2 11-2 10-11 12-16 10-11 13-16 10-11 13-16 10-11 13-16 10-11 13-16 11-19 10-11

AREA 0007 UNIMAK 53N-CDAST 157-165W

AREA O																							
		TOTAL	96 98	4	139	118	40	30	19	4	12	4	0	0	0	0	0	3	O	၁	0	501	100.0
	(FT)	+8+	•	•	•	0.	•	•	•	•	•	0.	•	•	0.	•	•	•	•	•	•	0	o
CLN	HE16HT	34-47	•	•	•	•2	•	0.	•	•2	4.	.2	•	•	•	•	•	့	•	•	•	80	1.6
18 (CONT	VS SEA	22-33	•	C)	2.8		2.2	3.0	•		1.4	9,	°.	•	•	•	c.	•	•	•	ာ	80	16.0
TABLE	(KTS)	11-21	•		15.8	4	4.0	5.6		4.	•	•	•	•	•	•	•	•	•	•	•	242	48.3
	SPEED	4-10	4.4	11.2	8.8	4.2	•	4.	•	•	0.	•	•	•	•	•	•	•	•	•	•	148	
	QNIM	0-3	3.2	*	4.	9.	•	•	•	•	•	•	•	•	•	0.	•	•	•	•	•	23	4.6
		HGT	₹	1-2	3-4	2-6	!~	8-9	10-11	12	13-16	,-	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT

TABLE 19

	MEAN	HGT 3	•	7	00	12	11	0	4	•
	87+ TOTAL	252	152	9	25	•	5	64	247	100.0
	448	•	•	•	•	•	•	•	C	c
	1-86	•	•	•	•	•	•	•	0	0
	26-32 33-40 41-48 49-60 61-70 71-86	•	0	•	•	•	•	•	c	•
	09-65					0				
(2)	41-48					•				
PERCENT PRESCENCY OF MAVE DEIGHT (*!) VS MAVE PERIOD (SECONDS)	33-40					•				
0011	26-32	•	0.	•	•	•	•	•	0	•
AVE PE	23-25	•	•	•	•	•	•	•	0	•
X ()	20-22	•	0	•	•	• 5	•5	•	7	4.
	17-19	• 2	4	•5	~	•	•	•	'n	6.
ם שבו	13-16 17-19 20-22 23-25	• 5	2.0	•	6.	•	•5	•	23	4.2
A K L D	12	64	. 7	'n	.2	o.	•5	•	10	1.8
DENCT	5-6 7 8-9 10-11	1.1								
7	8-9	1.5	m.	1.5	2.0	• 5	•		47	8.6
F C F C E S	7	2.4	2.0	2.2	.2	0	7	.2	28	10.6
	9-9	4.4	1.1	5.6	.2	0	. 2	• 5	112	20.5
	3-4	19.9	2.4	1.1	٠.	•	•	•	143	26.1
	1-2	9.1	4.7	7.	•	•	•	•	40	11.7
	₽	1.8								
	PERIDO	(35.5)	0	×	11-01	12-13	×15	INDE	TOTAL	PCT

. **4**.

		_	MBP-44MM		0 4 K O 4 K O 4 & 6		٠.	0 8 5 0 O
		TOTA! OBS	3 M M N N N N N	400	101 121 122 122 134 134 134	0	TOTAL	878 858 815 815 1891 100•0
MAK -165W		MENA NO SIG	4 0 1	000 m		9	MENA NO SIG	74.1 73.2 75.9 69.9 1019
0007 UNIMAK DAST 157-169		ER PHENDA DUST LWG DUST LWG SNOW	0000000		00000000	•	ER PHENDI DUST LWG DUST LWG SNDW	000000
AREA O	RECTION	R WEATH SMOKE HAZE 8	00700770		0 7 7 0 0 0 0 0	MDUR .	R WEATH SMOKE HAZE B	
	MIND DI	D	78821810	897.6	1400000	\$ b	FDG FDG PCPN	9.50 9.77 121 7.00 7.00
	6	THDR	0000000	000		• 1 OCCURRENCE	THOR	M00MNH
-	UCCURRENCE	TOTAL PCPN OBS	1	21 6 16 16	22 7 7 7 7 8 3 5 5	E 2 ATHER	TOTAL PCPN OBS	600 635 635 71
TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME				-	PCT FREQ PCPN AT OB TIME	15.8 17.6 17.5 18.6
	0	HAIL	000000	0000	0000000	FREQUENC	HAIL	000000
	FREQUENCY	TYPE UTHER FRZN PCPN	0000000	0000	00000000		TYPE THER FRIN PCPN	000000
	ENTAGE	SNOW	0000000	0000	00000000	PERCE!	SNOW	000000
	PERCE	RECIPIT FRZG PCPN			00000000	•	RECIPIT FRZG PCPN	000000
		PBRZL			, w.v.v.	•	DRZL	8.500 8.500 8.000
-1969 -1969		SAN	000000		10-10-00-00-4	2	RAINSHWR	1.1.1.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0
1953 1908		RAIN			11 11 11 11 11 11 11 11 11 11 11 11 11		RAIN	9.2 9.8 10.8 12.7 147
(PRIMARY)		WND DIR	2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	SS W SS W SS W SS W SS W SS W SS W SS W	HONE SEE	• • •	HOUR (CMT)	00603 06609 12615 18621 101
PERIODI								

SEPTEMBER

		-	60 60 CO	∞ → ∞ o ∞ .	→ Φ Φ Φ Φ ΓΝ	980000		
		8		2000	200000	0		
MAK -165w		18		4440	0.400 1.000 1.000		21	0001-0-0x00010
		15	9 8 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6	4 5 4 6	133.6	0	80	00 00 00 00 00 00 00 00 00 00 00 00 00
UNIH 157-		(GMT) 12			3.4 3.4 9.1 13.1	9.5 4.3 92.1 92.8 00.0	70	2 1 1 2 1 2 1 2 2 2 2 3 3 3 3 3 3 3 3 3
0007 CDAST		HOUR 09			100490 100010	8.0 0.0 0.0 1	":	100 N N N N N N N N N N N N N N N N N N
AREA 53N		90	0 7 0	.00000		1	(GMT)	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	HOUR	9	8000	000000	200897		HOUR 09	22 B B C C C C C C C C C C C C C C C C C
	AND BY	0	o m	<i>a</i> 10 0 0 11	2 2 7 7 5	00700	90	6.7 1112.2 112.2 112.2 12.3 12.3 15.9 0.00
	SPEED A	õ			> 4 @ @ M Q		60	111.88 111.88 111.88 13.99 10.00 10.00
	ON BY						00	8
6	DIRECTI	MEAN	9 14	0 ~ 0 m a .	16.50		м Ф	
TABLE	FWIND	PCT FREQ			11.9		TABLE MEAN SPD	11111111111111111111111111111111111111
	EQUENCY OF	TOTAL OBS		W 00 00 00 00 W	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	40 40	PCT	74884 1001 1257 1000 1000 1000 1000 1000 1000 1000 10
	T.	+8+			•••••		TOTAL	128 144 175 226 265 265 254 254 1758
	ERCENTAGE	34-47			* U - U M 4	7. e	41+	00000000
69	PER	22-33	044	ц п. иовичи	1 1101	• • • •	KNDTS) 28-40	21 48 278048740 71
1953-19 1908-19		ND SPEE 11-21			1 M M O O	4 .	SPEED (01064470 707 70 70 70 70 70 70 70 70 70 70 70
MARY) R-ALL)		4-10			11mm4n	· · · · · ·	#IND 7-16	0044010 CN
(PRIM		0-3	~~~·	+nnno-	111211	4 8.209.2	9-0	12222222222222222222222222222222222222
PER100:		M OUR		<u>п</u>	33333 30033 30033 30033	C V V V V V V V V V V V V V V V V V V V	WND DIR	N N S S S S S S S S S S S S S S S S S S

7 UNIMAK T 157-165W
AREA 0007 53N-COAST
TABLE 4
() 1953-1969 (L) 1908-1969
(PRIMARY) (OVER-ALL
PER 100:

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

TOTAL UBS	458 465 380 455 1758
PCT FREQ	1000.0
MEAN	16.0 15.1 16.2 15.8
CALM	1.7 2.6 2.0 38 2.2
KNDTS)	000000
SPEED (+34-47	2.5.1 2.5.2 3.5.2
WIND 22-33	19.2 17.8 15.5 19.3 318
11-21	45.0 44.7 52.1 45.9 844
4-10	27.9 24.9 25.0 26.2 458
1-3	0000 0
HOUR	00603 06609 12615 18621 TOT PCT

TABLE 6 TABLE 5

		TOTAL OBS	59	35	36	54	63	47	65	47	117	52	103	100	189	161	124	80	0	33	1335	100.0	
(8/4	WIND DIRECTION	NH <5/8	2.2	4.	.7	4.	1.0	4.	1.1	9.	1.6	1.1	2.2	2.5	5.8	5.0	4.4	3.0	•	1.0	448	33.6	
A HN		8000+	•	•	•1	0	.1	. 1	4.	.3	• 2	•	•1		.1	•	•		•		20	1.5	
FREQUENCY OF CEILING HEIGHTS (FT.NH >4/8		6500 8	•	•	•	•	•	•	•1	•1	e.	۲.	•1	•1	63		•	•	•	•	19	1.4	
S HEIG		5000	• 1	• 1	•	•	0	•	•	•	•	•	•	•	•	• 5	•	0	•	•	2	4	
EILIN(5/8 BY	3500	.1	• 2	•	•	٠.		۲.	•	4.	٠.	4.	.2	.	٦.	٠.	•1	•	•	35	5.4	
Y 0F (OCCURRENCE OF NH <5/8 BY	2000	.7	4.	0	7	4.	e.	.7	4.	1.2	• 5	1.6	1:1	2.2	3.5	1.6	1.1	•	•1	211	15.8	
EQUEN(INCE OF	1000	9.	.5	60	'n	00	80	.7	9.	1.5	80	1.5	1.8	3.4	1.9	1.6	1.0	•	٠.	261	19.6	
TAGE FF	CCURRE	666	4.	.7	۳.	۳.	80	.7	.5	£.	1.4	4.	6.	1.0	1.2	1.3	1.2	4.	0	• 5	160	12.0	
PERCENTAGE	AND	300	.3		6.	7.	4.	• 5	4.	4.		-:	•1	•1	4.	•1	-:	•	•	•	48	3.6	
•		150	•	•	•		:		4.	٦.	• 2	0	۴.	٠.	-:	•	٦.	•	•	•	50	1.5	
		000	7	• 5	.5	•2	1.0	9.	4.	.7	1.7	9.	٠.	.3	4.	-:	•	e.	•	9.	111	8.3	
TOTAL CLOUD AMOUNT (EIGHTHS)	Z U	CLOUD	5.3	8.9	9.9	8.9	7.5	7.7	7.0	7.4	7.3	4.9	9.9	4.9	5.8	5.4	5.5	5.2	<u>ي</u>	5.3	6. 2		
10UNT (6	NOI	TOTAL OBS	59	35	36	54	63	47	65	47	117	55	103	100	189	161	124	80	0	33	1335	100.0	
LOUD AN	DIRECTION		8 C 088CD	1.3	1.5	1.6	1.0	6.4	3.0	3.1	5.4	6.1	2.0	3.6	3,4	4.1	3.0	2.1	1.7	•	1.2	605	45.3
TAL C	MIND	5-7	1.3	.7	4.	4.	4.	5.	1.0	1.0	5.0	1.4	3.1	3.0	9.9	5.3	3.5	1.9	•	m.	440	33.0	
96	ВY	3-4	6.	.2	.	• 5	• 5	•	9.	٦.	5.	• 5	٠,	٣.	1.9	1.5	1.9	1.0	0		145	10.9	
T FREQ		0-5	6.	7	u,	7		•		•	∹:	• 5	4.	ω.	1.6	2.2	1.7	1.3	•	.7	145	10.9	
PCT		WND DIR	z	NNE	¥	ENE	w	ESE	SE	SSE	S	SSE	Z.S	Z CZ	*	3 2 3	Z	322	VAR	CALM	TOT 08S	TOT PCT	

1953-1969	1908-1969
(PRIMARY)	(OVER-ALL)
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53N-CDAST 157-165W

CUMULATIVE PCT FREQ OF SIMULTANEDUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

	• 80	^	2.9	3.3	5.7	21.5	41.2	53.2	56.8	58.2	9.99	968
	08	>50YD	5.9	3.3	5.7	21.5	41.2	53.2	56.8	58.2	66.5	895
	• 0R	>1/4	5.9	3.3	5.7	21.5	41.2	53.1	56.7	58.1	4.59	880
	• 80	>1/5	5.9	3.3	5.7	21.5	41.0	53.0	56.5	57.8	63.7	858
VSBY (NM)	• OR	7	2.8	3.2	5.6	21.3	40.9	52.5	56.0	57.3	61.7	831
	• OR	>5	1.8	2.2	4.6	20.3	39.7	50.6	53.7	55.0	57.7	777
	• OR	\$2	1.6	1.9	4.3	19.2	37.7	47.3	49.3	50.1	51,3	169
	• OR	> 10	1.3	1.7	3.7	11.4	23.0	28.8	59.9	30.3	30.5	410
	CEILING	(FEET)	^	^	^	^	^	■ OR >600	^	^	^	TOTAL

TOTAL NUMBER OF OBS: 1346

33.4 PCT FREQ NH <5/8:

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

7.1 11.6 11.4 28.8 7.5 1388 TOTAL 8 OBSCD OBS 4.6 9.5 5.0

9

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SEPTEMBER

*

			PCT	1.0 3.2 4.2	3.5	4 22.7	W400	6.2 22.4 28.7	48.5 50.6	100.0		
			TOTAL	14 E	19	937 900 70	51 64 115	395 392	29 663 692	1368		
			CALM	440	000	<i>u</i>	000	04.0	1.6	2.5		
	.≇ 150 240	-	VAR	000	000	000	000	000	000	00		
	UNIMAK 157-165W	TATION	Z	000	000	0.1.1	01.0	2.5	9.4	5.6		
	0007 DAST	PRECIPITATION	Z	0.1.	000	0.1.1	4.40	1.0	5.9 80 80	121		
	AREA (<u>C</u>	N N	•••	000	000	-420	2.1.4	6.2 87	137		
		URRENC	URRENC	NON OCCURRENCE SIBILITY	3	0.10	000	446	4.4.2	2.9	7.7	174
		IBILIT	MSM	4.6	1.0.2	1.1.6	0.1.1	1.8		104		
		VS OCCURRENCE OR VING VALUES OF VI	E OR OF VI	N S	040	440	NO.	٠	2.5	3.1	107	
	TABLE 8		SSW	 	0 1 1	4	0.1.1	1.2	1.8	4.0		
			S	1.0	4.01	00	1.0	1.8	2.1	131		
		CT 10 TH V	SSE	 4	uer	4.00	.1	1.0	10.1	4.8		
		D DIRE	SE	0.1.0	0.1.0	9 4 E	4100	1.2	2.0	5.6		
		OF WIND	ESE	3.1.	404	-0-	4.1	 	1.2	3.8		
		FREQ	ш	21.0	1,4	w4.	5.05	1.0	1.52	5.4		
		PERCENT	ENE	000	000	40.2	400	1.4.1	4.40	1.7		
	1969	Δ.	Ä	7.7.7	44.2	NO.W	21.2	.6	1.0	2.7		
	1953-1969 1908-1969		N N	7.7	000	71.2	→ 0 0	 ₪	1.9	2.8		
	(PRIMARY) (OVER-ALL)		z	•••	000	000	N-14	1.2	2.9	4.6		
				PCP NO PCP TOTAL	PCP NO PCP TJTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCT		
	PERIOD:		VSBY		1/2<1	143	2 2 2	5<10	100			

PERIUD: (PRIMARY) 1953-1969 (OVER-ALL) 1908-1969

TABLE 9

AREA 0007 UNIMAK 53N-CDAST 157-165W PERCENT FREG OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

PCT	4	7655	107.00	725 B	6.6 13.9 27.7	25.0 25.0 24.0 24.0 24.0	100.0
TOTAL	2 23 10 10	2 8 26 11 47	8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 15 65 48 130	10 1114 242 116 482	28 284 449 158 950	1739
CALM	. 4		. w	• •	w o	1.4	38
VAR	•••••	00000	00000	00000	00000	00000	00
3 Z Z	00000	00000	00404			1.0	5.4
Z	00077	00077	200-10	0.0219	14.00	100	159
Z	00000	00000	00000	00000	1.4	1.4.1.1.3.5.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	196
3	000	00000	o i i o w	00000	1.11.11.11.11.11.11.11.11.11.11.11.11.1	3.5 1.6 1.6 165	244
3	0	01000	0-1404	0.4004	1.01	1.1 2.5 2.5 7.7	126
NS	0.440.0	0444	0444	00000	0.11	2.00	138
MSS	44000	00.10	00-74	000011	0 7 4 4 8	1.6	3.7
v	04440	0.1006	04040	20	0.	1.01	158
SSE	0	00000	0.4884	0 4 4 4	0 4 4 4 6	00	80
SE	01108	00110	01918	0 - 4 - 0	22	1.1	88 5.1
ESE	01104	0-14-4	00044	14.01	01:011	26.132	3.5
u u	0.40%	44044	00-4	0 1440	04.044	29.1.2	4.8
E E E	00000	00000	0.00-1.0	01017	0044	1,0,119	33
Z U	0.101.0	0.10.10	00	44440		2	2.8
N N N	0.1.00	00000	0.010	00117	01010	1.1	49 2 • 8
z	00000	00000	00000	0-1004	0 11 4 4	200	4.5
SPD	0-3 4-10 11-21 22* TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL

5<10

10+

VSBY (NM) <11/2 1/2<1 1/2<1

										AND/OR													
	5 X X X X X X X X X X X X X X X X X X X		_	m	0	2	80	• •		Y (NM)													
	UNIMAK 157-165W		TOTAL OBS	383	350	305	328	1366		OF VSB													
	AREA 0007 53N-CDAST	QNI	NH <5/8 ANY HGT	35.2	32.0	38.4	31.1	466	TABLE 12	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR													
AN	>4/8),	TOTAL	8.40	68.0	61.6	68.9	900	11	FREQ OF														
		FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	HTS (FEET, NH 8 BY HOUR	HTS (FEET, NH 8 BY HOUR	HTS (FEET, NH 8 BY HOUR	80000	1.3	9.	2.3	1.8	20		VE PCT CEILING										
						HTS (FE)	HTS (FEE 8 BY HOU	HTS (FEE	HTS (FE) 8 BY HD(HTS (FE) 8 BY HDI	3HTS (FE '8 BY HD	SHTS (FE /8 BY HD	GHTS (FE /8 BY HD	GHTS (FE /8 BY HE	SHTS (FE	HTS (FE	HTS (FE	3HTS (FE	3HTS (FE	6500	5.	5.0	2.0
	13	G HE 1 GI NH <5/	5000	6.	ů.	.	•	w 4		0.0													
	TABLE 10	CEILIN	3500	2.1	5.6	2.6	2.4	33															
		CY OF	2000	18.5	18.3	10.2	14.3	213		~													
		REQUE?	1000	18.0	17.7	18.	23.8	266		(NM) BY HOUR													
		RCENT F	666	12.0	12.9	10.8	11.3	161 11.8	الم	(WN)													
		PER	300	3.1	3.1	3.0	4.9	48 9.5	TABLE 13	V VSBY													
			150	2.1	1.4	1.3	6.	20	1	GUENCY													
	1969 1969		000	6.8	9.1	10.5	7.6	115		PERCENT FREQUENCY VSBY													
	1953-1969 1908-1969		HOUR (GMT)	60300	60390	12515	18621	701 PC1		PERC													
	PERIOD: (PRIMARY) (OVER-ALL)																						
	PERIOD:																						

CT FREQ OF
COMOLATIVE PC: FREG OF KANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR
R <150 <600 <1000 1000+ NH <5/8 TETAL T) <50YD <1 <5 AND5+ AND 5+ OBS
R <150 <600 <1 T) <50YD <1 03 6.6 12.2 ?
R <150 <600 <1000 1000+ T) <50YD <1 <5 AND5+ 03 6.6 12.2 26.6 39.6 09 9.2 14.2 30.3 38.4
IR <150 <600 <1 (7) <50YD <1 (03 6.6 12.2 2 (09 9.2 14.2 3 (15 10.4 15.4 3
HDUR <150 <600 <1000 1000+ (GHT) <50YD <1 <5 AND5+ 00E03 6.6 12.2 26.6 39.6 00E09 9.2 14.2 30.3 38.4 12E15 10.4 15.4 31.1 31.8 18E21 8.0 15.4 29.8 40.0

1953-1969	1908-1969
(PRIMARY)	(INVER-ALL)
PER 1 00 t	

			CALM	0101004		A F	กับที่เ	-4
				N P		TOTAL	305	140
		TEMP	VAR	00000000	HOUR	EAN	8 2 7 8 9 7	8 7
		B	Z		B	00	L 00 4	. 6 . 0
.3		CTION	*	5 0 0 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1	IDITY	90-100	4.00	ô w
UNIMAK 157-165	.•	WIND DIRECTION	N S	000000000000000000000000000000000000000	ELATIVE HUMIDITY	80-89	33.4	34.1
	TABLE 14	NIND		LE 1	ATIVE		4 1 2 0	56
AREA 0007 53N-CDAST	TAB	Y 0F	S	2.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	œ	70-79	130	2 2
AREA 53N		FREQUENCY	SE	0.147.0000	NCY DF	69-09	7 4 6	7.7
			ш	7.1.0011	FREQUENCY	30-59	25.0	12
		PERCENT	N N		PERCENT	0-29 3	000	0
			z	2.0 2.7 2.7 7.0 10.0 7.0 7.0	9	HOUR O	00603 06609 12615	07 07
						99	2002	₽
		,	FRED	100.01 100.00 100.00 100.00				
			085	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	JUR	ral 35	472 472 387	
		TEMP	90-100		BY HC	<u> </u>		1 1
		BY TE		010/2/004	G F)	MEAN	50.0	
			80-89	100 100 35 45) (DEG	Z E	1 6 6 6	39
		HUMIDITY	70-79	2.2 2.2 6.3 6.3 2.2 2.3 1.6 1.6 1.6	OF TEMP	1%	444. nuud	4 4 0 6
	TABLE 13	RELATIVE	69-09	2 7 7 7 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2		χ %	4 4 4 4 6 6 0 0 0	. 4
696	TAI	OF REI	50-59		PERCENTILES	*0	2000	0 0
1953-1969 1908-1969		FREQUENCY	40-49 5	00000000	AND PE	5% 5	O 10 10 10 10 10 10 10 10 10 10 10 10 10	9
		FRED	30-39 4	00000000		0	w 0 0 a	
(PRIMARY) (OVER-ALL)		PERCENT		00000000	, EXTRI	*66	0 0 W	n vo
		PE	0-29		MEANS, EXTREMES	MAX	4 4 4 8 K	8 6
PER1001			TEMP F	65/69 55/54 55/54 55/54 55/54 55/54 55/54 56/54 56/54	_	HOUR (GMT)	00603	101

PERIOD: (PRIMARY) 1953-1969 (OVER-ALL) 1908-1969

TABLE 17

AREA 0007 UNIMAK 53N-CDAST 157-165W PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

35	
¥ 0	
101	100 100 100 100 100 100 100 100 100 100
61	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
57	w -w4-400040000000010
53	000 W W 4 00 W 4 W W 9 0 0 0 0 8 9
49 52	
4 4 60 80	22 24 25 26 27 27 27 27 27 27 27 27 27 27 27 27 27
41 44	000000000000000000000000000000000000000
37	000000000000000000000000000000000000000
AIR-SEA TMP DIF	11/13 9/10 7/8 6 6 7/8 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

3		TOTAL		5	m -	\$	m -	→ .		0	0	0	0	0	o	0	0	0	0	0		-		i	<u>د</u>	٠,	٠:	11	- 0	0 -	+ C	0	0	0	0	0	0	0	0 0	0	o (> C) K		•
UNIMAK 157-165				•			0.0											0				> (•	a		•	•	•	•	•		•	0	•	•	•	•	0	0.0	•	•		•	0	•
A 0007	FT)	NE 34-47	•	•			7.0											o c			.	V <	:	1	† ! *	•	•	•	•	•		0	0	•	•	•	•	•	္	•		•	? ~	4 0	1
53NE	IGHTS (•	•			.															n 4	•	0													•						. "	٥ ٥	•
	SEA HE	11-21	•	•			္		•			•			•	•	•	0	•	•	•		•	-	7		•			•	0			•		•									•
	VERSUS	4-10	4.	4.	2.	2.		0.0	0	o ·	0	•	•	•	•	•	0	o e	0.0	•	• ·		•	-													•						•		•
ez 80	ECT ION	1-3		?						<u>.</u>						•				•	•	o 0	•		1	•	•	•	•	9	•	•	•	•	•	•	•	•		•		•	•	9 6	•
SEPTEMBE Table 1	AND DIR				_					_			_	_	_	_	_	_	_	_																_	_	_							
0,	(KTS)	TOTAL		7	14		• • •		.	٠.				0								` a	•		{ - -			1 -		, (J	_	0	0				, (,	,	40		•
	SPEED	48+		•								•	•			•		o c				O	•	4							•				•		•	o ·	•	•		•		9 6	,
	OF WIND	34-47	•	0						•		o.						•			ۍ د	0 4	•		1										0.		o ,						• m	,)
	T FREG	N 22-33	•	•																	? :		•	22-23	6 . 7																				•
69	PC	11-21	•	.7	6.1	•	7.	•	.2	•	•	•	•	·	•	•	•	ė.	,	•	0 4	9 9	•	C	7		•	1	•			•	•	•	ô	•	•	o.	•	•	2	2		7	•
1963-196		-	1.1	9.1		•	•	•	•	္	0.0		•								• -		•	01-7	•																		01		•
MARY) R-ALL)		1-3	•	•	•	, c	•	•	•	• ဇ	•	•	•	•	0	•	•	•	•	•	•	9	•														o c						-	,	•
PERIODI (PRIM			_	1-2	•	ír	- 1	0	1 0	7,5	7	1.	7-0	3-5	0-3	4 .	\$ \	. (1 1	10	14101	5 6	•	100				1 10	~			12	3-1	7-1	0-5	3-5	6	1	7	-	- «	87+	TOTAL	PCT	•

* *

AREA 0007 UNIMAK SEPTEMBER PERIBDI (PRIMARY)

																									GRAND	TUTAL	9 6	,	0 7 7	1	7.	· œ	2 -	•	, part	0	0	0	0	0	0	0 (00			
A.			TOTAL	* ;	† 4 7 –	3 6	• œ	M		4	-	0	0	0	0	0	0	0	0	0	0	80			TOTAL	u					2 -		- 1	7	0	0	0	0	0	0	0	9 (o (-		•
UNIMAK 157-16			+8+		9 0																	0	•		48+	Ċ	•						•									ဝဲ့ ဇ			۰ د	,
A 0007	FT)		24-47		•																•	2	4.	32	34-47	C						•										•			٠,	,
ARE 53R	IGHTS (22-33				•			4.	°.	•	•	•	•	•	•	•	٥.	•		~			22-33	Ç		•	• •	•	1.1		.2		•			•				•				•
	SEA HE		11-21	•	- 6	•				.2				•					•		0.	4	8		11-21		•	•	•	1.7								•				•				
	VERSUS		4- 10	•	6																	2			4-10		•		•		.2	0	•	•	•	0.	•	•	•	ဝ ဇ	•	•		23	4.3	
LE 18	DIRECTION		1-3	7.4		9	၁	•	•	•	•	0	•	0			•				•	m	0		1-3		2.5					•					•					•			4	
TABL	(KTS) AND	i	ות ו יי		14		80	4	7	7	7	0	0	0 (c ·	0	0	0	0	0		2	10.5		TOTAL	00				16		9	4	M	၁	0	0	0	0 (o (.	o c	• •	3	25.6	
	SPEED	•	+ C	•	•	•	•	•	•	•	•	•	0	•	0	•	•			•	0	0	•		48+	•						•								•					0	
	OF WIND		+ t t t t	•		0			•		•								•		•	-			34-47	•				•				4.		•				•		•			1.1	
	T FREG	,	66-33		4																	→			22-33																	•				
69	P C	-	17-11				•																		11-21			•																		
1963-19		•			1:1	•																⊣			4-10		•															0				
MARY) R-ALL)		i	n c		0	°.	•	•	•	•	•	•	•	•	•	•	•	0	•	•	•	0 (•		1-3																	9			• 2	
RIGDI (PRI)			2 .				~	8-9		12	13-16	1	200	7-6	0 0	10.	† ·	0 1	-1	B	+ 1	- (٠		⊢ O I	1			9-6	-	8-9		12	3-1	1-1	0-2	2-5	0 0	5 10	1 4	-	71-46	87+	-	ပ	

PAGE 107

	000
	18
	TABLE 18 (COP
PERIOD: (PRIMARY)	1) 1963-1969
(PRIMARY)	(OVER-ALL
PERIODI	

UNIMAK 157-165W																							
AREA 0007 53N-CUAST																							
		TOTAL OBS	41	16	130	140	7.5	37	18	12	6	-	0	0	0	0	0	0	0	0	0	551	100.0
	(FT)	48	•	٥,	0	•	•	0.	o.	0.	•	0	•	•	o.	•	0	0.	٥.	•	•	0	•
(L z	HEIGHT (FT)	74-46	•	•	0.	٠.	٠.		.5		.7	•2	•	•	•	၁	•	•		•		21	
TABLE 18 (CONT)	(KTS) VS SEA	22-33	٥.	•	3.1	5.3	0.9	3.4	1.8	٥,	6.	•	•	•	0.	•	•	•	•	•	•	118	21.4
TABLE	(KTS)	11-21	•	7.4	12.7	15.2	6.2	2.5	.7	.7												251	
	SPEED	4-10	4.9	8.3	7.8	4.2	4.	• 5	G	•	•	•	•	•	•	•	•	•	•	•	•	143	26.0
	MIND	0-3	2.5	.7	0	0.	0.	•	•	•	•	•	0.	•	٥.	0.	¢.	0.	•	•	•	18	3.3
		HSH	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	09-6	61-70	71-86	478	TOTAL	PCT
0																							

TABLE 19

	Ē	•								
	TOTAL	260	198	80	37	14	9	40	632	100.0
	87+	0	•	•	•	•	•			0
	71-86	•	٥.	0	•	0.	•	0	0	0
	51-70	c.	•	•	•	•	•	•	0	0
	09-65	•	•	•	•	0	•	•	0	•
ŝ	41-48	•	•	o.	•	•	•	•	0	•
PERIOD (SECONDS)	12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	ó	•	•	•	•	•	0	0	•
R100 (26-32	•	0	•	٥.	•	•	•	0	•
WAVE PE	23-25	•	•	•	•	•	•	ç	ΰ	0
N S M	20-22	•	•	0	•	•	°.	0	0	•
HT (FT	17-19	•	•	~	•	ပ္	0	•	~	.2
WAVE HEIGHT (FT) VS	13-16	•	.5	1.4	1.6	.2	.2	0	30	4.7
	12	6,	6.	•	151	9.	•	٠,	21	3.3
PERCENT FREQUENCY OF	8-9 10-11	•2	2.2	1.1	1.1	•	•	0.	33	5.5
T FREQ		6.	3.6	1.4	6.	.2	m.	•	47	7.4
PERCEN	7	4.1	7.3	3.6	6.	9.	o.	•	105	16.6
	2-6	10.8	8.7		9.	o.	•	•	148	23.4
	3-4	14.2	7.1	9.	• 5	C	•	6.	145	25.5
	1-2	8.4	•	,	7.	•	•	•	61	9.7
	₹	1.3	2.	•	•	0	•	S. S.	7 4	7.0
	PERIOD (SEC)	9	2-9	A - W	10-11	12-13	^1 ?	INDET	TOTAL	P 0 4

		TOTAL DBS	800	7 P	52	56	50	26	36	70	85	173	85	129	87	0	13	1026	100.0
14K 165₩		ENA NO SIG WEA	970	1.8	3.9	5.7	1.5	6.0	3.7	4.1	6.5	15.4	8.1	11.5	7.9	•	1.3	837	81.6
0007 UNIMAK DAST 157-165	z	OTHER WEATHER PHENOMENA FOG SMOKE DUST NO WD HAZE BLWG DUST SI PCPN BLWG SNOW WE	000	•	·	0.	9 6	0	•	•	•	•	°.	•	•	•	•	0	0.
AREA 0007	DIRECTION	R WEAT SMOKE HAZE	000	•	•	•	• •	•	•	•	-	•	o.	•	•	•	•	-	-:
	MIND DI	FOG FOG PCPR	600	? ?	٦.	o.	20		•	.2	٠,	•	•	•	•	•	•	12	1.2
	8	THDR	000	•	•	•	9 0	0	•	•	•	•	•	•	•	•	•	0	0
1	OCCURRENCE	TOTAL PCPN OBS	11	2	11	r 0	9 71	50	•	56	15	15	7	11	ø	0	0	176	
TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME	1.1		7 . 7	۲.	. 4.	1.9		5.5	1.5	1.5	• 5	1.1	9.	•	•		17.2
		HAIL	000	,	9	ب •	. 0	•	•	•	•		•	~	•	o.	•	7	.2
	FREQUENCY	TYPE OTHER FRZN PCPN	000	•	•	ò	•	•	•	•	•	•	•	•	•	•	•	0	•
	ENTAGE	TATION SNOW O	200	•	•	ó	0	•	•	?	∹'		0		•	•	•	7	.7
	PERCI	PRECIPI FRZG PCPN	000	0	•	0	•	•	٠	•	•	• •	•	9	•	•	•	0	•
		DRZL	יישי	0	4	٠,	. n	1.0	•	0.1	•	•	-: '	•	-	0	•	25	5,1
1951-1969 1906-1969		RAINSHWR	00-	0	Τ.	- - -	: -:			4.0	7.	7.	•	-	•	•	•	17	1.7
		RAIN	441		. 7	ů, n	1.0	6	4	1.7	0.4	•	-	•	•	•	•	108	10.5
(PRIMARY) (OVER-ALL)		WND DIR	Z Z Z	ENE	w i	m m m	SSE	S	NSS	X :	ž A:	E	N.	Z	N Z Z	VAK	CALM	TOT 085	TDT PCT
PERIDDE																			

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TABLE 2

TOTAL OBS	273 252 248 258 1095
ENA NO SIG	86.7 76.6 81.6 846
HER PHENDM DUST BLWG DUST BLWG SNOW	2.2 .0 .0 86.7 1.2 .0 .0 .0 81.3 .0 .4 .0 76.6 1.2 .0 .0 81.6 1.2 .1 .0 84.6
R WEAT SMOKE HAZE	0040-
FOG #O PCPN	120021
THDR	00000
TOTAL PCPN OBS	3; 44 57 44 176
PCT FREQ PCPN AT OB TIME	11.1 17.5 23.0 17.2
HAIL	044044
TYPE JTHER FRZN PCPN	00000
SNOW (1.1
PRECIPITATION TYPE L FRZG SNOW OTHER PCPN FRZN	000000
PE	4444 W
S H I N	2.00
R A I N	10.9 10.9 10.9 10.9
HOUR (GMT)	00603 06609 12615 18621 TOT PCT

			21	7.8	•	•	•	•		. 8	•				•	•	• •	ó	9	•			
			18	•	1.6	•	•	•	•	3.5	•			•	00	•	•	2.6	910	•		=	8087757 8087757
	AK 165W		15	•	8	•	•	•	•	•	•	* ~	•	2	•	9	• •	0	n (•		8	6 7. 6 7. 1 13. 7 255. 5 15.
	157-1		(GMT)				•	•			•			•	•	•		80 ×	.	2		2	00 10 00 10 00 10 00 27
	A 0007		HBUR 09	8	0	•	•	•	. o.	• •	0	. 4	6	6.4	٠	•	• •	0.0	170	•		7	28 8 8 10 10 10 10
	AREA 53N-		90			•	•	•		2.6	•	, 4		9.	•			1.3	2 <	•		(GMT)	00 00 00 00 00 00 00 00 00 00 00 00 00
		Y HOUR	60	ب	4.	•	4.	o. <	1 1	- 00	ο (٧,	٠ .	0 0	00	, E	9	00	N	•		HDUR 09	4 4 4 W W W W W W W W W W W W W W W W W
		AND B	00	.3 1	.7	.2	J .	٥. ٥	0 00	. 6	۰.	3 2	.5	•	'n		0	9.5	-	2		90	10.5 6.1 10.7 10.7 10.7 10.7 10.7 10.7
		SPEED		•		_		.,, -				., •	_	ä	-	1		•)		60	13 17 10 10 10 10 10
		ON BY																				00	10 9 10 10 10 10 10 10 10 10 10 10 10 10 10
œ	m	IRECTION	ME AN SPD	·	8	6	8	2 5			0	; ;	6	<u>.</u>	. 0		•	0.0	•		3A		
OCTOBE	TABLE	MING D	PCT FREQ	7.3	2.8	2.6	2.0	* 0	7.8	3.2	0 1	7.4	8	15.7	7.01	l O	0	1.2	0.00	•	TABLE	ME AN SPD	20004788 20004786 504087
		NCY OF	UTAL OBS I	86	37	35	ر د د د د د د د د د د د د د د د د د د د	ν (c	9 6	61	ر ت ن	0 6	11	0 1		22		16				PCT -	
		FREQUENC	+8+ T	7.						0							0		2 -			A L S	135 62 89 89 81 81 81 83 83
		ENTAGE	L+-	œ.	۲.	4.	•	0-	1	7	«	.0.	•	1.2		.0.	•		1 1	,		1+ 101	v-400mm/
		PERCE	NOTS)	6.	۲,	4	4 (m -c	. 60	۲.	ó n	۰.0	6 0 1	ın ır	, c	. 0		~	,	ı		, s 4	0000007
	1969		EED (K 22 -3	7			•			•		. 2	ν.	40	t v	. W		i.c.	20,0	1		(KNDT 28-4	н нннюфю
	1951- 1906-		IND SP 11-21				•			1.5	•	• •	•	•	• •			0	39.2			SPEED 17-27	4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	MARY) R-ALL)		¥ 01-7		•					60	•	• •	•		•			•	19.8	•		WIND 7-16	4 5 5 6 6 7 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	(PRI		6-0	Τ.														1.2				9-0	0 1 4 8 8 0 9 9
	PERIOD:		WND DIR	z	W Z	۳ L	T 1	ES E	SE	SSE	3 V V	. Z.	ESE	r 2	2	RZZ	VAR	CALM OT OB	TOT PCT			WND DIR	ZZ W W W Z Z Z

								TOTAL	61	57 77	77	22	52	45 09	78	88	122	(0	11	100.0
						>4/8)		NH <5/8	2° 8°	.7	ໝູ ຕຸ	4. r	1.9	1.9	F. C.	, d	5.2		5.	351 36.6
MAK -165W						(FT, NH >	NOI	8000+	000	• •	٠.	0.0	•	• -	٠, دا د	0	0.	10	0,1	v _n č
UNIMAK 157-16							DIRECTION	6800 1	000	•	00	0,0	0	00	0.0	•	0,0	•	0,0	0.0
AREA 0007 53N-CDAST						HEIGH	MIND	5000	000	? ?	• •	0,0	•	00	0.0	0	0.0	•	0,1	.2
AREA 53N-		٠,	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			CEILING HEIGHTS	/8 BY	3500	70.	::	- 0	0,0		- 0	0.0	. 0	٠.,	. 0	• •	1.4
	~	TOTAL OBS	2000 M		ABLE 6	OF	NH <5	2000	0 r	3 15	ω 4	2.6	6	4 6	1.0	1.5	2.3		4.	154
	R (GMT)	PCT FREQ	0000	0.001	TAB	FREQUENCY	NCE DF	1000	1.3		1.7	1.1	1.4	1.1	2.3	2.5	200	0	2.5	27.0
	BY HOUR	MEAN	19.8 19.2 19.8 19.4				OCCURRENCE	666	1.5	. "	r. 4.	4.0	•	1.6	6.	4	1.0		0.0	
4	SPEED !	CALM	1.2	7.1		PERCENTASE	AND D	300	44.0	: -:	. 7.	~ 0	2.0	່າ ພໍ	0,	.2	e	0	0.40	2.7
TABLE	GNIM	KNOTS)	44.401	•		ď		150	00-	•	• •	00	0	: °.	C 5		00	0	oʻ.	ຸຕຸ
	NCY OF	SPEED (8.6 6.0 7.9 10.7	* *				000	00-		.13			. w	0.	.2	2.0	0	٠ د د	1.6
	FREQUENCY	WIND 22-33	0 M B M C	•																
	ERCENTAGE	11-21	41.4 41.3 36.6 37.1	7.66		(EIGHTHS)	MEAN	LOUD	6.1	8 1	7.2	7.1 6.8	7.0	0 80	ທູນ	5.5	5.7	0	8 0	•
	PER	4-10	18.3 20.7 21.1 19.5 265					AL C	61 27 22	24	25	22 24	52	209	78 168	88	122 91	0 :	11 958	
		1-3	1.8	•	1 0	CLOUD AMOUNT	DIRECTION	101 03	NWF	۲,	- 60	r- 10	w a	ľ	7 -	m r		0.	1 4	0 10
1951-1969 1906-1969		HBUR	0653 6609 2615 8621 TOT	-	TABLE		WIND DIR	7 8 7 0850	88 2.		3 1	4 0 1 1 1	5 3	3 6	9 6	6 1	5 6	0		37
			0011			TOTAL	BY WI	70	2	•	; •	• •		:	ه _د	J 1	. w	•	35	37.
PRIMARY) OVER-ALL)						EQ 0F		3-4	7.0	4.0		- m	4.	• •	2°0	•		•	. K	15.9
						PCT FR		0-2	040	•		.1.	2,5	• •	0.0	•	• •	0.	9.2	9.8
PERIDUI						۵		WND DIR	N N	ENE	ESE	SSE	S	. ¥.S	303	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	* * Z Z Z Z	VAR	07 08	TOT PCT

	UNIMAK 157-165W
	SAN-COAST
OCTOBER	TABLE 7
	PERIUD! (PRIMARY) 1951-1969 (OVER-ALL) 1906-1969

CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

;	ř	2	3	7	2.2	18.7	45.0	59.1	61.8	62.1	63.6	613
	* E	>50YD	5.		2.2	18.7	45.6	59.1	61.8	62.1	63.6	613
	*	>1/4	3.	.7	2.2	18.7	45.5	59.0	61.7	62.0	63.5	612
, -	*	>1/5	.5	.7	2.2	18.7	45.5	59.0	61.7	62.0	63.4	611
VSBY (NA	¥	7	5.	.7	2.2	18.7	45.4	58.8	61.5	61.8	63.1	00°
0	Š	>	4.	•	2 • 1	18.6	44.8	57.6	60.2	4.09	61.3	591
(¥	>5	٣.	5	1.8	17.4	42.1	52.0	54.0	54.1	54.7	527
o C	¥	>10	.2	•2	.7	10.2	25.1	30.4	31.1	31.2	31.4	303
	ロコトコル	FEET)									0	TOTAL
(د	<u> </u>	■ 0R	. OR	• OR	. OR	* OR	. OR	* OR	* 0.	■ OR	

TOTAL NUMBER OF OBS: 964

PCT FREQ NH <5/8: 36.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL OBS	1000
8 08500	1.4
60	28.1
7	10.0
•	14.3
Ŋ	10.0
4	10.0
m	9.5
8	9.6
-	4.6
0	2.5

		PCT	•2			40	. •	1.9	2.5	;	6.1	10.2	6.2	23.9		2	56.4	0.00
		TOTAL	2	⊣ w		4 0	٥١	19	2, 4	Ţ.	63	105	40	245	•	2	573 578	1025 1
		CALM	•	••		00	0	•	00	•	0-	-	•	-:-	•	0.	11	13
35	_	VAR	•	••		• •	0	0,	0.0	•	0,0	C	•	္၀	•	•	. 0	00.
UNIMAK 157-165	ITATION	3 2 2	0	००		٠.٥	7	•	00	•	2.4		•2	2.3		•	53	8.5
0007 1AST	RECIP	Z	.2	۰,۷		• •	0	w.	0 m	•	.	4	4.	3.0		•	986	130
AREA (E 0F P	3 2 3	•	••		00	0	7	0.7	•	٠,٢	4	•	2.0		•	59	8 . 3
	URRENC	3	•	00		0-	; -	0	•	•	91	13	4	3.5		•.	11.1	173
	NON OCCURRE	M SM	•	00		0.0	0	2.	12.4	•	ω ιτ	Č.	3	2.0		3	4.1	8.3
	R 7.	M.S	•	00		•-	7	6	0 m		1.1	15	1.0	1.4	I	2.	2.9	69
ω ω	CURRENCE VALUES C	SSE	•	••		. 0.	-		0.4	•	2.0	4	.1	1.1	!	7	21	9.0
TABLE	JN VS DCC	S	•	-; -		70	~		0 -	•	0 17	::		1.3		•	21	5.4
	TH	SSE	•	••		• •	0	•2		, 1	m C	, m	۲.	9.6	;		0,0	29
	D DIRE	SE	•	• •		• •	0	.1	~ m		2.		3.	1.0		0.0	. 00	29
	OF WIND	ESE	•	00		00	0	۲.	° →	•	ψ.	4	.2	~ 6			12	2.5
	FREQ	ш	0.	0.0	ď	• •	0	•	••		4.4	6	4	1.4		۵,	92	52
	PERCENT	EN EN	0.	0.0	1	00	0	•	• •		~0	7	٥.	4.0			4	25
1969 1969	۵.	N H	•	• •	r,	00	0	7	o		'n.	trs.	.2	٠. د		7.4	17	30
1951-1969 1906-1969		NNE	•	00	П	• •	0	2.	ဂ္ .4		77	2	'n	10			•	30
(PRIMARY)		z	0	• •	,	• •	0	7.	o		4.0	•	4.	2.0		2.5	37	68 6.0
				ND PCP TOTAL		PCP NJ PCP	TOTAL	PCP	NO PCP TOTAL		PCP NO PCP	7	PCP	NO PCP TOTAL		90.0	TOTAL	TOTAL PCT
PER100#		VSBY		<11/2		1/2<1			1<2		2<5			5<10		101		

AREA 0007 53N-CDAST
TABLE 9
RY) 1951-1969 ALL) 1906-1969
PERIOD: (PRIMARY) (OVER-ALL)

>

		PCT	21,000	01005	06641	1.2 10.0	5.1 10.6 13.2 29.3	13.7 24.1 18.6 58.0	100.0
		TOTAL	W = N 0 0	0 1 1 1 0	0 4 1 8 8 8	4 16 43 69 132	5 68 140 175 388	22 174 326 247 769	1326
		CALM	• •	• •	• •	2 2	ý 4	9.	16
MAK 1165m		VAR	00000	00000	00000	00000	00000	00000	00
UNIMAK 157-16		Z	00000	00011	00000	0.00 0.00 0.00 0.00	9	2.0	122
AREA 0007		3	71.100	00000	0,7,1,4	0-14/18	1.52	1.0.4	160 12.1
AREA 53N	Ш	N	00000	00000	00011	01400	1:1	1.1 2.6 2.0 76	112
	ND SPE ITY	3	00000	00101	00000	0.44.44	01	04404 04404	209 15.8
	VS WIND SISIBILITY	MSM	00000	00000	00124	1.6256		12.00	111
	ECTION S GF V	NS	00000	00044	00144	00,000	0	11.58	7.3
6 9	DIR	SSW	00000	0	00011	00000	026.66	1.00	4.5
TABLE	OF	S	000.	00117	00::0	0,4,0,4	04.64	1.00	74
	NT FREG	SSE	00000	•••••	000.4	01116	0 4 4 4	04040	3.2
	PERCEN	SE	00000	00000	01111	01715	1.000,7	1,42,51	37
		ESE	00000	00000	0.0.0	00174	1.5.1	0 0 0 1 1 4	30
		ш	00000	00000	00000	112.4.0	2.0.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	1.00	59
		ENE	00000	00000	00000	00000	0,0,4,0	0,4,4,6	2.0
-1969		NE	00000	00000	0.1001	011110	10.52.0	0 4 4 4 8	35
1951		NNE	00000	00000	00000	00454		0 8 7 4 7	37
(PRIMARY)		z	00000	00000	00000	00,000	0.00000	4446	98
00: (PR (OV		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	C-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL PCT

1/241

VSBY (NM) <1/2

2<10

2<5

1<2

10+

*

										AND/0	TOTAL OBS
UNIMAK 157-165W		TOTAL OBS	274	233	215	254	976 100.0			VSBY (NM)	NH <5/8 AND 5+
AREA 0007 UN	0	NH <5/8 1	34.3	40.3	40.5	34.3	362		TABLE 12	OF RANGES OF VSBY (FEET,NH >4/8),BY	000 1000+ <5 AND5+
ARE	FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	65.7	59.7	59.5	65.7	614		TAB		<600 <1000 <1 <5
	SET, NH >	8000+	.7	0.	£.	•	וח יח			CUMULATIVE PCT FREQ CEILING HGT	<150 <
	HTS (FE	6500	0.	•	•	0	00			MULATI	HDUR (GMT)
10	IG HEIG NH <5/	5000	4.	0.	•	4	N 10			00	ı~
TABLE 10	CEILIN	3500	1.8	1.3	1.9	89	14				
	CY OF	2000	17.5	15.9	14.4	16.9	159				TOTAL OBS
	REQUEN	1000	28.5	25.8	22.8	28.7	260			3Y HOUR	10+
	PERCENT F	666	11,3	11.6	14.9	15.7	130 13.3		_	(N)	5<10
	PE	300	3.6	2.1	2.8	2.0	26		TABLE 11	VSBY	2<5
		150	•	4.	• 5	4.	4 4		7 1	QUENCY	1<2
696		000	1.8	1.7	1.9	Φ.	15	l. I		PERCENT FREQUENCY VSBY (Nh.) BY HOUR	
1951-1969 1906-1969		HOUR (GMT)	00000	60390	12515	18621	TOT			PERCE	<1/2 1/2<1
(PRIMARY)		10	Ö	J		-					_
											HOUR (GMT)
PERIODS											

								F 4	F 00 17 1		6	6 0 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
PERCENT FREQUENCY VSBY (Nh.) BY HOUR	PERCENT FREQUENCY VSBY (Nh.) BY H	FREQUENCY VSBY (Nh.) BY H	ACY VSBY (NN.) BY H	(NN) BY H	¥ H	DUR		COMOLA	CEILIN	G HGT	(FEET)	GES UF NH >4/8	CUMULATIVE PUT FREQ UF KANGES UF VSBY (NM) AND/DR CEILING HGT (FEET,NH >4/8),BY HOUR	AND/DR
<1/2 1/2<1 1<2 2<5 5<10 10+ "	1<2 2<5 5<10	2<5 5<1(5<1(5<10 10	10	+	TOTAL Obs	HDUR (GMT)	<150 <600 <1000 <50YD <1 <5	6 000	<1000	1000+ AND5+	1000+ NH <5/8 TOTAL AND5+ AND 5+ DBS	TOTAL OBS
.0 .4 1.5 7.0 23.2 67.9	.4 1.5 7.0	7.0		23.2 67.	67.	6	172	00003	1.5	5.2 20.3	20.3	46.5	33.2	271
.0 .4 1.7 8.7 33.0 56.1	.4 1.7 8.7	8.7		33.0 56.	56.	~	230	06509	1.7	4.8	4.8 21.3	41.7	37.0	230
.9 .5 ,9 10.8 31.6 55.2	10.8	10.8		31.6 55.	55	N	212	12215	1.9	6.1	6.1 26.4 35.4	35.4	38.2	212
.0 .4 2.8 5.6 27.9 63.3	2,8 5,6	5.6		27.9 63.	63.	m	251	18621	ω.		3.6 23.9	43.4	32.7	251
2 4 17 75 276 589 52 54 1.8 7.9 28.6 61.1	4 17 75 •4 1.8 7.9	7.9		276 589 28.6 61.1	589		964	TOT	1.5	4.9	47 2 2 0 4.9 22.8	406	338	964

			VAR CALM	0.1	E. 0.								TOTAL	266	236	184	261	247
		BY TEMP	> *		91		. ~	11	20			HOUR	MEAN	81	60	84	78	83
			z		5.6					`		ITY BY	90-100	24.8	34.7	29.3	35.2	286
UNIMAK 157-165W		OF WIND DIRECTION			12.5							RELATIVE HUMIDITY BY	80-89	11.2	3.6	35.9	13.0	304
	TABLE 14	CNIM	NS	2.8	11.7	2.3		165	17.8		LE 16	ATIVE						
AREA 6007 53N-CDAST	TABI		S	2.5	5.6	1.1	0	96	10.2		TABLE		70-79			25.5		
AREA 53N-		FREQUENCY	SE	0.8	5.9	2.0	•	63	6.7			ENCY 0	69-09	13.5	8.9	8.2	6.9	8
			ш	0.00	4.0	2.0		67	7.1			FREQU	30-59	1.9	2.1	1.1	2.7	19
		PERCENT	ŊĘ	0.0	2.8	1. 5.	0	4 8	5.1			PERCENT FREQUENCY OF	0-29	0.	•	•	•	0
			Z	0.1	4.1	3.0	2	96	10.2			•	HOUR	0000	60390	12615	18521	101
			F R E	13.2	49.5	27.2	4	100.0										
			085	111	468	257	, 4	945				HOUR	TOTAL	363	333	278	364	1338
		TEMP	90-100	3.9	15.8			285	30.2			F) BY	MEAN	4.9.4	12.0	44.2	15.2	÷5•3
		ITY BY	80-89	5.3	17.0	1.7		303	32.1			(DEG	NIM			32 4		
		HUMIDITY	40-19	2.5	13.8	7.3	0	248	26.2			OF TEMP	1%	36	35	35	36	35
	TABLE 13	RELATIVE	69-09	10.10	2.6	3.2	0	96	9.5		ĮŲ.		5%	38	37	37	37	37
1969 1969	T	H.	50-59	2		0 4	0	16	1.7		TABLE 1	PERCENTILES	20%	47	46	45	42	46
1951-1969 1906-1969		FREQUENCY	65-05	•••	7.	7	. 0	m	e.			AND	856	53	51	6 .	1	51
(PRIMARY) (OVER-ALL)			30-39	00	0.	0,0	0	0	•			TREMES	% 66	21	24	51	40	52
		PERCENT	0-59	00	0	0.0	0	0	0.			MEANS, EXTREMES	XAX	59	57	52	2	65
PERIOD:			TEMP F	55/59	45/49	30/44	30/34	TOTAL	PCT			Σ	HOUR (TMS)	60300	60390	12615	12381	T07

Y

AREA 0007 UNIMAK 53N-CDAST 157-165W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

.3 0	•			TOTAL	710	.	•	Φ.	G	0	0	2	00	> C	> (o c	oc	0	• 0	0	0	27			TOTAL	•	•	m	Φ,	٥	0	7	• C	u c	• 0	0	0	0	0	0	0	0		V	•
UNIMAK				4				0			0	•			•			•					0		48+		•		0	?	0	•		• •	•	•	•	•	•	0			•	> 0	•
0007	2	2	u.	4-4				2				• 5		<u>.</u> د	•	.	•	•		0			.7		34-4	•				7.	3	•	ۍ د د	• •	•	•	•			•		•		0 L	•
AREA	1	SHIS	Z		0.0			i rJ	ئ.	0	•	.2	0,0		٠ •		•				0		1.6	S			•	•	۲.	٥.	0	2.0	7.0	v C	0	•	0		•			0,0			
		SEA HEI		11-21					0	•	•	•			2 (0				12			11-21	•	.7	• 5	J.	• 5	0	7.		•				•	•	•	•	•	•		7 • 7
	L	VERSUS			٠, c		• 0	•	•	•	•	•	•	0 0	•		•	•	•	0	•	5	1.2		4-10						•									0			•		1.9
_ u				1-3			•	•				•			•			•					0.		1-3	•	•			•	•		•				•		•	•	.		•	o (•
TABLE 1	, :	AND DIK																																											
•		(8 8)		TOTAL		7 -		, σο	5	-4	•	2	0	> C	•	o c	•	•	, c	• •	0	45	10.5		TOTAL	0	9	4	m i	30	G,		0	o -	10	0	0	0	0	0	0	0		J	
	L	SPEED						?		•						• 0				0			• 5		48+	•	•				•								•				•	> C	•
	U	U * 1 ™ U		34-47	•	•	• •	•			•	• 5			•			•					• 5		34-47	•	•	•			.2	•	•	•			•							0 L	•
	((בייר הייר		22-3																			1.9	ш	22-3				'n.		5						0		o.			0		-	
a		D		,	•	7.0	•	1.2		.2	•	•	•	့်	•		•				•	24	5.6		_						•														7
1043-1046	5				•			,				0			•	•									4-10				0,0		•				0				0						7 • 7
MARY)	ָר (ר (1-3				•															•		1-3						0.													0	•
IDDI (PRIN))				^1			~	1	10-11	12	3-1	7-1	27-02	9 (2 10	14	10		1-8	87+	10	CT			-	•	1	216	•	8-0		77	7-1	0-2	3-2	6-3	3-4	41-48	9-6		1 6	- ►	5 6	

TOTAL TOTAL UNIMAK 157-165% AREA 0007 53N-CDAST NW 34-47 SEA HEIGHTS (FT) 11-21 AND DIRECTION VERSUS •••••••• TABLE TOTAL (KTS) SPEED VIND 34-47 ¥ 22-33 PCT FREG 11-21 14.01 (PRIMARY) (DVER-ALL) 1963-1969 PERIOD:

UNIMAK 157-165W

AREA 0007 53N-CDAST

		TOTAL	26	49	105	74	68	34	17	17	17	•	4	-	~	ဝ	0	0	0	0	0	437	100.0
	(FT)	+8+	0	•	•	c.	0	•	•	0.	3.	5.	0	0	•	0	•	•	•	•	•	4	6.
NT.	HEIGHT	34-47	•	•	•	.7	.7	5.	.2	5.	1.8	.7	.7	• 5	.2	•	•	•	•	•	•	27	6.2
18 (CDNT	VS SEA	22-33	•	•	•	•	•	4.1		•	•	.2	.2	•	•	•	°.	°.	•	•	•	117	26.9
TABLE	(KTS)	11-21	•		•		7.1	3.0	6.	.7	.2	•	•	•	•	•	•	•	•	•	•	O	44.4
	SPEED	4-10	•	7.6	•	•	5.	• 5	•	•	•	•	၀့	•	•	•	•	•	•	0.	•	88	20.1
	ONIM	6-0	1.6	•	•	•	°.	o.	•	0.	•	•	•	•	•		C/	•	•	•	•	7	1.6
		HGT	₽	1-2	3-4	9-6	~		10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT

TABLE 19

00000000 61-70 71-86 000000000 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 8-9 10-11 2.1 2.4 2.1 2.4 2.1 1.6 0.0 0.0 4.6 35 PERIOD (SEC) (60-7 (60-7 (80-9) 10-11 12-13 12-13 100ET 101AL PCT

		TOTAL OBS	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TOTAL OBS	251 206 204 210 871 100•0
MAK -165W		SIG	00004401004 00004401004 0000440000000000	ND ND SIG	76.0 76.0 75.0 76.0
7 UNI		HER PHENDMENA DUST NC BLWG DUST SI BLWG SNOW WE	000000000000000000000000000000000000000	ER PHENDMEN DUST N LWG DUST S	နက်က်ဝိယယ်
AREA 000	RECTION	R WEAT SMOKE HAZE	100000000000000000000000000000000000000	WEATH SMOKE HAZE B	40000
	WIND DIR	OTHE FOG WD PCPN	4 4 0 0 0 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	OTHE OC CPN	3.6 1.9 3.8 23 2.6
	B	THDR		THDR	000000
	DCCURRENCE	TOTAL PCPN OBS	13 10 10 11 12 11 12 11 12 11 13 14 17 17 17 17 17 17 17 17 17 17 17 17 17	TOTAL PCPN OBS	41 46 44 179
TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME	1.5 1.2 1.2 1.6 1.6 1.6 1.0 1.0 2.0 2.0 2.0 2.0 2.0 3.4 4.4 4.4 5.0 5.0 5.0 7.0 6.4 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	PCT FREQ PCPN AT OB TIME	23.3 22.5 21.0 20.6
	NCY OF	HAIL	A P P P P P P P P P P P P P P P P P P P	HAIL	40000
	FREQUENCY	TYPE THER FRZN PCPN	ACE	TYPE THER FR2N PCPN	2000
	ENTAGE	SNOW U	8 0001000011100004	TATION SNOW U	44WU W •••• W • ••• 4W B
	PERCEN	RECIPI FRZG PCPN	000000000000000000000000000000000000000	RECIPI FRZG PCPN	000000
		DRZL	404440000040	DRZL	W4W4 W
-1969		RAIN	00100001077471000096	RAIN	4.6 1.0 1.0 1.0 8
1955		RAIN	411.140 88 88 88 88 88 88 88 88 88 88 88 88 88	RAIN	8.4 9.7 12.3 11.5 91
(PRIMARY) (OVER-ALL)		WND DIR	NNE E E E E E E E E E E E E E E E E E E	HOUR (GMT)	00603 06609 12615 18621 70T PCT
PERIOD:					

			21	7.511 4.60 0.00	11,000,000,000,000,000,000,000,000,000,	0 100 0	
			1.9		1031011	7714 100	i uvow40v40oñ
	1K 165W		15	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		00 00 00 00 00 00	8 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3
	UNIMAK 157-16		(GMT) 12	744540		00000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	0007 DAST		HOUR CO	440030	,0044444		12 22 25 25 25 25 25 25 25 25 25 25 25 25
	AREA 53N-CI		9	7	L 4 L 4 L	t	(GMT) 88 10 10 10 10 10 10 10 10 10 10 10 10 10
		HOUR	0	V - 4 / / /	200000		HDUR C 28 28 6 21 6 6 21 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6
		B	03			, a a a a a	0 10001400 6
		EED AND	00	012410	14 N D N B L K	275 200 275 275 275 275 275 275 275 275	w owoororwood
		S J					0
		ECTION B					0 86 4 7 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
2	m	DIREC	MEAN	50000	23.22.22.22.23.21.39.21.21.39.21.21.39.21.21.21.21.21.21.21.21.21.21.21.21.21.	21: 22: 22: 22: 23: 3A	
	TABLE	MIND	PCT FREQ	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	44.00.00	13.1 13.5 5.0 00.0 TABLE	MEAN SPD 119.6 5 119.6 5 122.6 5 121.6
		ENCY DF	TUTAL 08S	25 35 35 35 35	946 946 97 98 97	-90-02-	F R E C C C C C C C C C C C C C C C C C C
		FREQUENC	+8+		000		01AL 0BS 99 65 45 150 166 243 177
		ERCENTAGE	19-47	44000	10044144	10.00 10.00	11 4 11 11 11 11 11 11 11 11 11 11 11 11
	66	PER(D (KNOTS) 22-33 34	041.00	77568696	0- 0000	28 - 40 2. 2. 9 2. 5. 9 3. 7 3. 7 4. 4 4. 4
	955-196		SPEE -21		11222	0441 68 044000 68 044000 68	7
	RY) 1		-10 11-	146667		111 14 14 14 14 14 14 14 14 14 14 14 14	M
	(PRIMARY) (OVER-ALL)		4 6-0	-200-19		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 80000000000
	PERIODI		WND DIR C			NNW	WND DIR SEE SEE SEE SEE SEE SEE SEE SEE SEE SE

			•											TOTA	0 8 S	4	4	8	ä	٦,	٦ ،	3 6	1 10	4	0	۲	125	7	76	2 0	.	757	100.0
												(8/4		NH <5/8	ANY HGT	2.0	1.1	1•1	ů	•	• 0		2.0	1.5	3.2	e .	6.9	**	0 0	10	? :	286	
UNIMAK 157-165W											1	L	ION	8000+		•	•	•	•	•	•	•	•	•	•	•	•	•	•	200	•	-	-
											HTC / C		WIND DIRECTION	6500		•	•	•	•	9	•	•	7	•	•	•	•	•	•	•	•	٦.	:
AREA 0007 53N-CDAST	. •										G HETG			5000		:	•	•	•	•	•	•	•	•		• -	•	? -	: :	•	0	v ı	•
AR 531		TOTAL	1	253	522	172	78(PERCENTAGE FREQUENCY OF CETITING HETGHTS (ET.NE 32.00)		<5/8 BY	3500	•	٠.	•	•		•	7	•	-:	•	-:-	. 4		0	· •	•	•	23	•
	Ē						-			TABLE 6	CY DF	i		2000	•	: '			4	-:	6.	6.	1.2	• .	•	2.6	0	2.2	6.	°	•	112	•
	R (GMT)	PCT	-	100	100	90	100.0		i	Ā	QUEN			1000	•	•			4	٠,	٥.	۲.	9.	1.7	0 0	2.9	5	•			7;		
	BY HOUR	MEAN	22.6	20.6	21.7	20.8	417				SE FRE		URREN	600 1 999 1						4.	٠,					1.6				0		3.3	
4	PEED 8	CALM	•	4	4	:	ņ				CENTA		AND DECURRENCE OF NH	300				:	•	0								0.				_	•
TABLE	FREQUENCY OF WIND SPEED	(KN0TS)	1.7	1.2	•	1.0	4.				PER	•	∢	150 3 299 5				•			0,1						•					~	
	-	SPEED (1	1.1	2,3	100	135	13.0								_												•	•	•	•	• •	' -	
	UENCY	ID SPE												000	٠	•		•	•		•		-	5			•	7	•	•	30	4.0	
		WIND 22-33	38.	26.1	9 6	32	31.																										
	PERCENTAGE	11-21	40.1	41.5	37.1	397	38.3				(EIGHTHS)		IEAN	COVER	5.5	6.4	4.9	6.0	200	000	7.7	6.5	6.7	6.1	5. 4	5.1	6.0	* 0			8.0		
	PER	4-10	8.7	14.0	18.4	155	14.9								41	9	25									571						0	
		1-3		0 4	1.5	10	1.0				AMDUN	CTION		101AL 08S				•		• • •		۳,	4	•	- ;	7	- 0				757	100.0	
1955-1969 1901-1969		HOUR	60300	615	621	10	-		TABLE 5		AL CLOUD AMDUNT	WIND DIRECTION	a	08860	1.6	•		7.7	•	1.7	2.6	3.7	3.0	9.0	2,0	7.6	,	1.8	•	.1	260	34.3	
		-	86	120	18	F	۵		F	į	JAL	_	7.7		2.2	•		, 10	4	1.6	4	1.6	2.5	8 C	 	4	6.3	2.1	•		281	1.,6	
(PRIMARY) (OVER-ALL)											יבו דאפע טר יטו	BY	3-6		۲.	• "	•				٦.	1.7	٠,	. c	1 0	1.7	1.8	8.	•		128		
										1	<u> </u>		0-0		٠. ۳	•		: :	•	•	•	•		•	2.5	1.3	1.7	1.8	•	•	88	0.11	
P e r I OD 1										č	_		WND DIR		~ 4	<u> </u>	<u> </u>		'n	m .	w.	_ =	E 3	: 3	•	3	3	3	~ :	Σ.			
_													Q N		ZZ	-	. W	ш	ES	S	25	2	2	בים	2 3	Z	Z	Z	A	CAL	TOT 085	5	

NOVEMBER

AREA 0007 UNIMAK 53N-C0AST 157-165W

	TABLE 7
1955-1969	1901-1969
PERIOD: (PRIMARY)	(OVER-ALL)
PERIODI	

DCCURRENCE	(NH)
	VSBY
ANEOL	AND
SIMUL TANEOUS	>4/8)
9	H N
PCT FREQ	HEIGHT
UMULATIVE P	OF CEILING
SUM	0

	# 0.8	2	6	6	3.9	18.8	40.0	53.8	56.9	58.2	62.1	476
	• 08	>50YD	6.	6	3.9	18.8	40.6	53.8	56.9	58.2	62.1	416
	■ 08	>1/4	£.	6.	3.9	18.8	40.6	53.8	56.9	58.2	62.1	924.
_	. OR	>1/5	6.	6.	3.9	18.8	40.6	53.5	56.7	58.0	61.4	470
VSBY (NM	= 0R	7	6	6.	3.9	18.8	40.3	53.0	56.1	57.4	9.09	494
	• OR	>5	.3	6.	3.9	18.5	39.9	52.3	55.4	56.7	59.1	453
	■ OR	?	6	5.	3.9	17.6	36.8	46.6	48.7	49.2	50.0	383
	■ 0R	>10	.3	₩.	3.1	11.2	21.3	26.2	26.6	26.8	27.2	208
	CEILING	(FEET)	- OR >6500	- OR >5000	^	$^{\prime}$	^	■ DR >600	^	^	$^{\prime}$	TOTAL

TOTAL NUMBER OF OBS: 766 PCT FREG NH <5/8:

37.9

TABLE 7A PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL OBS	811
09860	3.6
6 0	24.3
7	11.2
•	11.5
ľ	12,8
4	10.5
Ю	6.6
2	8.9
	3.1
0	4.3

		PCT	4.40.00	22.80	1.1	6.8 6.2 13.0	25.0 33.6	450. 450. 450. 450.	100.0
		TOTAL	74 0	5 10 15	111 20	58 53 111	73 213 286	26 386 412	851 100.0
		CALM	0.1.1	•••	000	000	000	0,0,4	iu ô
A 55	7	VAR	000	000	000	000	000	•••	00
UNIMAK 157-165W	ITATIOI	N N N	000	000	.01	4. n	46.0	3.2	4.9
AREA 0007 53N-COAST	PRECIPITATION	ž	000	000	011	22.4	w n n 4	6.9	93
AREA 53N-	P .	N	000	000	•••	41.0	1.8	6.0	9.3
	NON OCCURRENCE ISIBILITY	3	000	44.2	101	7.13	4.04	8.1 72	128 15.0
	JR NON OCCU	MSM	0,44	000	000	1.00	1.8	5.2	72
í	8 - -	NS	200	000	7.72	0.00	4.00	3.5	7.5
8 8	OCCURRENCE IG VALUES DI	NSS	000	977	0 0 0	.8 7.1 13	1.4	2.5	57
_	VS DC	S	000	1.2.6	101	9.8	.8 1.9	2.6	66
•	RECTION VS DOWITH VARYING	SSE	0.1.4	44.4	0.1.1	6.1.6	1.2	0.0.0	35
ä	70	SE	000	0,40	707	8 4 C	1.6 17	1.2	4.9
Ü	OF WIND	ESE	000	000	1 4 6	4 4 4	10	. 4 4	20
	- FREG	w	000	1.0.1	000	71.7	40.	.9	23
	PERCENT	ENE	000	000	101	-0.1	1.19	1.2	28
1955-1969 1901-1969		NE	000	1.0.1	1.1.2	40,4	1.1	1.6.0	25
		NNE	000	000	0,0,4	2.1.2	.9	0.0.8	24
(PRIMARY) (OVER-ALL)		z	401	0.1.4	•••	÷ 60 0	.8 1.4 19	2.02	51
			PCP ND PCP TCTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PER I OD 1		VSB√ NN>		1/2<1 N	1 × 2 × 1	2 S S	5<10 N	10+ V	—

TABLE

UNIMAK 157-165W AREA 0007 53N-CBAST

3.7 10.6 17.6 32.0 04046 14 32 82 129 2 38 109 181 330 TOTAL 00000 00000 00000 00000 00000 00 00000 00000 00000 00000 00000 00000 00044 04440 SPEED * 00000 1000W 0100H 11W04 2.1.2 3.400 IT FREG OF WIND DIRECTION VS WINC WITH VARYING VALUES OF VISIBILITY 00000 00000 00W-4 0WW44 001110 00000 001110 00000 000000 00000 0000 23.1 00000 04444 25.50 00.00 04460 001112 0001011 1114681 00404 00444 06140 PERCENT ווניאים איוויס אייויס ססססס 06.00 00000 00000 00000 01040 0 6 6 7 6 9 00000 00011 00000 00111 01411 00000 00000 04040 04000 0,0000 04044 00000 m 00000 00011 0000 00112 00000 00000 00044 00000 144441 23.96.20 Z 00001 00101 00000 00mom 0-3 4-10 11-21 22+ TOTAL 0-3 4-10 11-21 22+ TOTAL 0-3 4-10 11-21 22+ TDTAL 0-3 4-10 11-21 22+ TOTAL

¢10

÷

2<1

22

VSBY (NM) <1/2

12.5 12.5

21.000

UNIMAK 157-165w		TOTAL OBS	237	172	184	184	100.00
AREA 0007 53N-COAST	Q	NH <5/8 ANY HGT	36.3	43.0	33.7	40.8	297
AR 53.	FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8), AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	63.7	57.0	66.3	59.5	480 61.8
	EET, NH OUR	8000+	°.	•	•	₹.	
	HTS (F 8 BY H	6500	4.	•	•	•	٠.
10	G HEIG NH <5/	5000	Φ.	1.2	•	3.	n o
TABLE 10	CEILIN CE OF	3500 4999	3.0	3.5	3.8	1.6	23
	CV OF	2000	17.3	12.2	14.1	14.1	114
	REQUEN OC	1999	20.3	18.0	23.9	23.9	167
	PERCENT F	009	15.2	11.0	13.0	12.5	102
	PER	300 599	3.8	4.1	2.7	2.7	3.3
		150	4.	1.7	1.6	1.6	10
696 696		149	2.5	5.5	7.1	1.6	31
1955-1969 1901-1969		HOUR (GMT)	60300	60390	12615	18621	T07 PCT
PERIOD: (PRIMARY) (OVER-ALL)							
PERIOD							

	AND/OR	TOTAL OBS	232	171	183	180	766
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	NH <5/8	34.5	41.5	30.6	38.3	276
2	SES OF VS	<pre><150</pre>	40.5	29.8	37.2	38.3	282 36.8
TABLE 12	OF RANG	<1000 <5	6.5 25.0	11.7 28.7	12.6 32.2	6.7 23.3	70 208 9.1 27.2
	FREQ G HGT	<600	6.5		12.6	6.7	9.1
	IVE PCT CEILIN	<150 <50YD	2.2	5.3	7.1	1.7	30
	CUMULAT	HOUR (GMT)	0000	60390	12615	18621	T07
		TOTAL Obs	232	171	183	180	766 100.0
	(NM) BY HGUR	10+	8.09	53.8	50.3	55.0	55.4
_	(NA)	5<10	29.7	29.5	32.2	31.7	235
TABLE 11	PERCENT FREQUENCY VSBY	2<5	8.2	12.3	13.1	10.0	10.7
	FREQUEN	142	6.	1.8	2.7	1.7	1.7
	ERCENT	1/2<1	0.	1.8	1.1	•	δ. Θ.
		<1/2	4	1.2	5	1.1	Ω ထ
		HOUR (GMT)	€0300	60390	12615	18621	707 PC1

AREA 0007 UNIMAK 53N-CDAST 157-165W

TABLE 14

TABLE 13

PERIOD: (PRIMARY) 1955-1969 (OVER-ALL) 1901-1969 1

	2	FDG	6.	1.1	1.1	1.8	9.	4.0	4.0	10.4	6.9	10.2	11.2	10.7	10.7	4.5	8.	5.0	4.1	80.	1.1	775	97.1
	3	FOG										-:											
<u>.</u>	TOT		7	6	6	14	9	35	33	98	59	28	1.6	87	86	41	4	40	33	•	0	198	100.0
ערב נח	53	99	•	•	•	•	•	-	•	•	•	•	•	•	•	•	•	•	•	•	•	~	7
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	64	52	•	. 1	•	.3	0	•	•	.3	0		0	•	0	0	0	0	•	•	•	9	(10)
אַנ	45	48	•1	۳,	7.	8	ű	2.1	1.5	2.1	1.3	6.	9.	1.6	æ.		63	٥.	•	•	٥.	102	12.8
EKAIO	41	44	8	œ	•			1.4	2.0	9.9	4.8	7.1	9.9	5.1	2.3	1.3	1.4	6	•	0.	•	332	41.6
E	37	40																					27.8
# J C Y	33	36	0	•	઼	•	•	•	4.	۳.	e.	•	7	٥.	1.9	1:1	2.8	5.4	1.5	۳.	۳.	66	11.7
N14 CA	59	32	•	•	•	•	•	•	•	•	•	0	•	•1	₹.	4.	5	1.3	1.4	•	9.	35	4.4
	25	28	•	•	0	•	•	•	•	0	•	ပ္	•	•	0	0		•	•1	4.	۳,	7	6.
	AIR-SEA	TMP DIF	1/8	9	2	4	m	2	-	0	-1	-5		*	-5	9-	-1/-8	-9/-10	-11/-13	-14/-16	-17/-19	TOTAL	PCT

	£		TOTAL		9	m r	7 m	n c	0	0	-	0	0	0	0	5 0	> 0	o c	o c	0	15.			TOTAL	0	ed :	•	m in	n (o ir	, N	7	0	0 (0	> C	0	0	0	0			•
UNIMAK	601-761		48+		0			9 0														•		+8+	•	0		•	•	•	0	0	•	•	0	•	0	0	•	0	0	o c	?
REA 0607	0 4 7	FT)	NE 34-47	•	0	္ (9	•	•	o	°.	•	0	9		•	9 0				£.	SE	34-4	•	0	•	•	, ,	• -		6.	•	•		2				0.	•	n 4	•
AR	n	IGHTS (22-33	•				0											•		~	€.		22-33	•	•	Φ.	0,4	ů.	. "	10	m	•	o c		•		•	°.	0	o (, r	•
		SEA HE	11-21	•				9 0					•		•			200				2.2		11-21	Ċ	0 1	٠. ا		•	•		0.	•	• ·	•	2 0	•	•	• •	0	•	0 4	•
		VERSUS	4-10	•				•	9			0.						• ¢				1.1		4-10	•		.			9 0						9		0		0.	o (n œ	•
α ·		RECTION	1-3		0.	o o	•		0	•	•	•	•	•	3.0	•	•	•	•	•	0	•		1-3													0			0.	•	>	•
25 ⊓ m	ר ח	AND DI		•		m ·		n C		. ~		_	^	~	~ <i>(</i>			.			. ~	~1			~1	•	• 1	.			. ~	_	_	~ ^	~ ~	٠.		_	_	0 (~ ~	
-		(KTS)	TOTAL		U -		- •				Ĭ		_		,	,	•				, io	10.		TOTAL	. •		•		•	•	,						,		J			1	•
		SPEED		•	c.	0	, :			•	6	•	•	٠.	•	•	•	•		0	-			48+		•	•	•	•	2	•	•	0.	•	•	•	•	•	•	•	•	9 6	•
		OF WIND	34-47	7,										•				•				1.6		34-47		o, c														•		م در)
		T FREQ	N 22-33	٠	0																	80	ш	22-3		0.0										. 0				Ç		> C	•
Q		0	4	•	1.6		ָּהָ הַ	0	•	•	ů.	•	•	•	•	•	•	•			16	4.4			•												0			0.0		-	•
1063-107			4-10	æ	œ (J. 0	• •	0	0	•	•	0	0	္	•	•	•		0	0	10	2.7																		0,0		1.4	•
ARY)	7 - 1		1-3	•	o o		, ,	0	•	•	•	0	•		•	•		•	0	•	-	.3		1-3	0	•	•	•	•	•	0	°	0			0	•	•	•	o c	•	9 0	•
PERIOC: (PRIM			HGT	₽,		1 C	-	6-8	1	12	3-1	17-19	2-0	3-6	7 1 0	1 - 6	40	1-7	1-8	478	\vdash	O		HGT	→	Z=1°		1		10-11	12	3-1	7-1	7 1 6	3 1	3-4	41-48	9-6	1-7	1-8	+/0) o	

PERIOD: (PRIMARY) (OVER-ALL) 1963-1969

TABLE 18 NOVEMBER

AREA 0007 UNIMAK 53N-CDAST 157-165W

		10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
æ n	10 1 1 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	101 100 113 113 100 00 00 00 00 19.2
12/-10	4 *	4
FT)	74 14 14 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	7 000000000000000000000000000000000000
Nec) STH3I	MOCWHHHM8000000000	E 0044401E18000000000000000000000000000000
SEA HE	1 1 4 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1
VERSUS	4 1 0 w w m w w o o o o o o o o o o o o o o o	1 1 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
D DIRECTION	400000000000000000000000000000000000000	u wooooooooooo
(KTS) AND	101AL 2 8 11 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	101AL 113 117 111 111 111 100 00 00 00 00 00 00 00 00
SPEED	+0000000000000000000	4 0000000000000000000
OF WIND	# 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4 4 00000www.080000000000000000000000000000
T FREG	S 2 33 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
P C	101448100000000000000000000000000000000	11-21 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.
61-6061	1 1 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
7 H L L	m 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	m mooooooooooooo
X 3 A D)	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H C T C C C C C C C C C C C C C C C C C

	1963-1969
(PRIMARY)	(OVER-ALL)
PERIODI	

UNIMAK 157-165W																							
AREA 0007 53N-CDAST																							
		TOTAL	18	53	20	57	56	39	15	20	34	0	4	0	-	0	0	0	0	0	0	367	100.0
	(FT)	48+	•	•	•	·	•	.3	•	0	٠.	•	.3	•	6.	•	•	•	0.	•	•	2	1.4
C L N	HE I GHT	24-47	•	•	•	1.1	1.6	1.6	1.9	1.1	3.5	•	.5	•	•	•	•	•	•	•	•	45	11.4
TABLE 18 (CONT	(KTS) VS SEA HEIGHT (FT)	22-33	•	°	4.1	3.8	5.7	0.9					6					°	•	•			31.1
TABLE	(KTS)	11-21	3	6.3	12.3	6.8	7.1	2.7	•	•	•5	•	•	•	•	•	•	•	•	•	•	142	38.7
	SPEED	4-10	3.8	5.5	2.7	3,3	æ	°	•	•	•	°	•	•	•	•	•	•	•	•	•	58	15.8
	MIND	6-0	1.1	•	•	'n	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	9	1.6
		нст	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-92	33-40	41-48	09-65	61-70	71-86	87+	TOTAL	PCT
0																							

TABLE 19

	HEAN	9	•	0	6	13	14	0	•	1
	TOTAL	102	124	88	26	24	14	26	464	100.0
	87+	•	•	•	•	•	•	0	0	•
	71-85	•	•	•	•	•	•	0	0	•
	51-70	•	•	•	•	•	•	0	ဂ	•
	49-60 61-70 71-85		0.	•	•	•	•	0	0	•
	1-48	•	•	•	•	•	•	•	0	•
WAVE PERIOD (SECONDS)	13-16 17-19 20-22 23-25 26-32 33-40 41-48	•	•	•	•	•	0	•	0	•
3100 (3	26-32	•	•	0.	•	4.	•	•	7	4.
VE PE	3-25	•	•	•	.2	.2	•	•	7	*
N S M	0-22	•	4.	٠,	4.	o	6.	•	0	1.9
HEIGHT (FT) VS	7-19 2	•	•	•2	4.	•5	~	•	'n	1:1
HE 16H	3-16 1	9.	1.1	3.7	1.5	1.9	1.1	•	46	6.6
F WAVE	12 1	4.	2.5	1.3	4.	1:1	•5	•	28	0.9
FREQUENCY DF	0-11	•2	2.2	1.3	2.2	4.	•2	•	30	6.5
	8-9 10-11	1.1	3.0	3.0	3.5	•	.2	•	49	10.6
PERCENT	7	1.9	4.7	0.0	1.9	.2	•	•	49	13.8
_	9-6	1.7	7.5	2.2	6.	•5	~	.2	9	15.9
	3-4	6.6	4.7	1.3	6.	4	•	•	78	16.8
	1-2	4.7	4.	•	•	·	•	•	28	0.9
	₹	1.7	0	0	•	•	•	611	63	13.6
	PERIOD (SEC)	9>	2-9	6-6	11-01	12-13	614	INDET	TOTAL	- L

		TOTAL	75	# 66 # 60	45	52	52	212	56	36	64	51	80	65	83	78	0	01	839	100.0
AK 165W		ENA NO SIG	7.5	7 7	3.0	5.6	•	1.5	•	5.9	5.1	5.5	8.5	2.7	7.4	7.4	•	1.2	635	75.7
AREA 0007 UNIMAK 53N-COAST 157-165	z	WEATHER PHENDHENA SMOKE DUST NO HAZE BLWG DUST SIG	o c	000	•	0.0	o e	• •	•	•	•	•	•	•	•	•	•	•	0	°.
AREA 53N=(DIRECTION	R WEATS MOKE	-:	•	•		•	•	•	•	•	•	•	•	•	•	•	•	7	•
	MIND DI	DTHER FDG S WD PCPN	~	• 0	4.	7.	9	•	s.	7	~	7	7	•	4.	٦.	•	•	23	2.7
	8 ≺	THDP LTNG	0,0	0	•	0.0	•	•	•	•	•	•	•	•	•	•	•	•	0	•
-	OCCURRENCE	TOTAL PCPN 08S	0 4	0 4	17	27	o 5	27	12	11	4	9	∞		18		0	0	179	
TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME	1.1	. 10	2.0	3.2	• -	0	1.4	1.3	••	٠.	1.0	5.0	2.1	1 • 8	•	•		21.3
		HAIL	o, c		•	~	÷ 0	• •	•	•	•	7	-:	0		•	•	•	4	ė.
	FREQUENCY	TYPE OTHER FRZN PCPN	0	10	•	o c	•	•	•	•	•	•	•	•	7	-:	•	•	w	4
	ENTAGE	SNDW C	1.0	: -:	• 5	7.		•	• 5	• 2	7	•5	•2	1.5	1.8	1.3	0	•	68	8.1
	PERC	PRECIPI FRZG PCPN	0,0	•	•	0.0	•	0	•	•	•	•	•	•	•	•	•	•	0	•
		DRZL	-:-	::	1.2	•	, 4	7	•	Φ.	•	•	•	*	٠,	•	•	•	55	6.2
1957-1969 1908-1969		SHIN	7.	::	•	વૈ.	? -	••	.2		o.	•	7	o	•	•	•	•	σ.	1.1
		A I Z	0	7	9	1.5	•		'n	• 5	'n	-	.2	7	•	4.	•	•	53	6.3
(PRIMARY) (OVER-ALL)		WND DIR	Z 2	1 W.Z.	ENE	m i	ם ה ה	SSE	S	SSW	NS.	E SE	x	3 2 3	Z	322	VAR	Ŧ,	TO7 08S	۵ ک
PER 100 :																				

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TABLE 2

	TOTAL 085		242	222	199	204	867	100.0
AN U	ST SIG	Z L	75.6	77.5	77.4	75.5	699	76.5
PHEND	FOG SMOKE DUST MO HAZE BLWG DUST BYDN KING ANDE		0	•	•	•	0	•
THER								
RWEA	SMOKE HAZE		œ,	•	•	•	7	• 2
OTH	0 D C		5.0	1.8	1.5	2.0	23	2.7
	THDR		•	•	0.	•	0	•
	TOTAL PCPN	9	4.5	46	745	46	179	
	PCT FREQ PCPN AT		18.6	20.7	21.1	22.5		50.6
	HAIL		0	٠.	'n	1.0	4	٠.
TYPE	SNOW UTHER		•	.5	1.0	•	M	6
TATION	NONS		8.3	7.2	8.0	7.8	68	7.8
RECIPI	FRZG		•	•	•	•	0	•
۵	DRZL		5.4	5.0	7.0	6.9	55	6.0
	RAINSHWR		₩.	6.	1.0	1.5	0	1.0
	RAIN		4.1	8.1	5.5	6.9	53	6.1
	HOUR (GMT)		60300	60390	12615	18621	TOT	PCT

		21	0 2 1 1 1		
		18	10012 9114999999999999999999999999999999999	21	000000000000000000000000000000000000000
1 MAK 7-165W		15	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18	200 11 10 10
07 UNI ST 157		R (GMT)	100 100 100 100 100 100 100 100 100 100	15	11. 2.5. 11. 2.5. 11. 2.5. 3. 4. 5. 6. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8
AREA OO 53N-CDA		HOUR 6 09		(GMT) 12	14.7 3 7.99 1 7.99 1 14.2 1 16.2 1 16.2 1 100 0
	HOUR	0	00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HOUR CO	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	AND BY	0	04000000000000000000000000000000000000	90	100.0 100.0 111.0 112.0 116.0 116.0 100.0 100.0
	SPEED		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	03	5.6 111.1 11.1 11.1 11.1 11.1 10.0 100.0
	TION BY			00	6.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
m W	DIREC	MEAN		я Ф	
TABL	OF WIND	PCT FREQ	**************************************	TABL MEAN SPD	200 200 200 200 200 200 200 200 200 200
	QUENCY	TOTAL 085	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P.C. P.B.D.	100.00 100.00 100.00 100.00
	AGE FRE	80 +	, , , , , , , , , , , , , , , , , , ,	TOTAL OBS	143 999 844 103 1120 1140 104 104
	ERCENT	NOTS)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	41+	
1969	•	EED (KN 22-33	0 1101 1 140488 00 0 1101 1 140488 00	(KNDTS 28-40	404 4040 00 0041 0000 10
1957-		MIND SP 11-21	4011011 81206000 60 67 61 61 61 61 61 61 61 61 61 61 61 61 61	D SPEED 17-27	WHWUWA44 NO LANOLWLWO 08
IMARY) ER-ALL		4-1 0	00000000000000000000000000000000000000	7 I I 6	4400440W WW
RIGOI (PR (DV		R 0-3	0,000000000000000000000000000000000000	0-0	N -
PERI		NA ON	TAN ON RESERVED THE TOTAL	ON B	TOTAL SERVICE TO

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G
4
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							TOTAL OBS	40	4 6	9.6	41	53	14	4 c	4 6	~ ¢	50	81	43 6) 60	732				
					>4/8)		NH <5/8 ANY HGT	•	2.5	•		in.	•	7.1	•	•	• •	•	•		30.7				
14K					(FT.NH >	10N	8000+	•	00	•		•	0	0 0	•	- 0	•	•	0.0	? 0					
UNIMA 157-10					E 6 OF CEILING HEIGHTS	DIRECT	6500									0,0			0.0		w 4				
A 0007										NINO	5000	0		0				. 0		0 -	•			•	٠. در
AR S		AL S	740 777 777			W \	DF CE NH <5/ 000 3 499 4		4						w r					5.5					
	2	40T 9	0000	ABLE 6		E 6		2000 3499	•		•				0 1			•	1.4		0				
	R (GMT)	PCT	1000.	TA	EQUENCY	NCE OF	1000		1.1	50	•		•		•	9.6	•	•	• •	• • !	175 23.9				
	BY HOUR	MEAN	20.7 21.1 19.9 20.6 20.6		AGE FRI	OCCURRE	666	1.0		4.	1 • . 1 • .		٠.		80		•	1.1	•		99				
4	SPEED	CALM	2 1 2 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1		ERCENTAGE	AND 0	300	4.	::	4.	* w	•	- "	0	0	. m	4	۲.	• 0	0	31 4•2				
TABLE	ONIA	KNOTS 48+	W W H W W W W W W W W W W W W W W W W W		ā		150 299	0	::	0	m m		٠.	• -	0	00	0	.	- 0		1.8				
	ACY OF	SPEED (8.6 13.0 12.1 10.7 10.7				000	m i	n m	1.0		•	٥١	. 4	•	w 4	m	4.	- 0	0	5.7				
	FREQUENCY	WITID :	28.6 22.2 27.3 256																						
	PERCENTAGE	11-21	944.02 946.03 946.03 944.04		(EIGHTHS)	NA TH	LOUG	5.5		7.5	7.0	7.2	2.5	6.2	0.9	r. 0	5.8		, C	5.4	0.9				
	PER	4-10	20.4 18.9 22.7 22.7 205 205				S A C	79	3 t 30 t	33	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	59	14	58	43	769	29	81	ú o	-	732				
		1 3	000488	10	CLOUD AMBUNT	ECTION	T0T 0	-	o •0	•	0 7	~	۰ -	4 40	m ·	* ~	_	.	v 0	•	3 10				
7-1969 8-1969		HOUR	00603 06609 2615 8621 101	TABLE	CLOUD	WIND DIRECTION	7 8 5 0880	2,0	2.	m ×	, v	2	⊢ α) —	CJ •	⊣ €	7	~ ~		•	5 42.				
195		_	0077	·	TOTAL	BY WI	-5	2.	: .:	•	• •	-	•	:	٠, ۲	'n	m	• •	•	• (32.				
(PRIMARY) (OVER-ALL)					REQ OF		3-4	1.	. 10	•	• •	•	•	• •		•	-	° -	;	• (12.				
					PCT FR		0-2	2.0	1:1	٦.	• •	• 1	1.	• •	4.0	1.2		1.0			12.8				
PERIODI			-		u.		WND DIR	Z	y W	EZE L	ESE	SE	SSE	SSE	35 S	E A E	3 2 3	3 3 Z 2 Z	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CALM	101 UBS				

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53N-CDAST 157-165W
TABLE 7
() 1957–1969 LL) 1908–1969
IDDI (PRIMARY) (OVER-ALL

DCCURRENCE BY (NM)
S
SIMULTANEDUS
A N
CUMULATIVE PCT FREQ OF CEILING HEIGHT

# 8 %	1.25	19.7	56.0 60.7 62.5	68.2 509
= UR >50YD	1.2	19.7	50.6 60.7 62.5	68.1 508
- DR >1/4	2.7	43.6	60.6 62.2	67.6 504
, = 0R >1/2	1.25	19.7	60.5	96,
VSBY (NM = OR >1	1.2	43.0	60.1	65.4 488
• 08 × 2	1.2	19.0	57.0	61.0
■ 25	400	36.2	4.00	50.4 376
* DR >10	1.5.8	21.0	27.6	28.4
EILING FEET)	>6500 >5000 >3500	^ ^ /	· // //	7
55		* * *	566	* *

TOTAL NUMBER OF OBS: 746 PCT FREG NH <5/A:

31.8

TABLE 7A PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL	793
OBSCD	5.3
80	30.6
7	13.4
•	11.3
5	8.4
4	6.7
æ	6.1
8	7.8
7	3.0
0	7.3

100.0 500 21 395 416 49 61 110 69 167 236 CALM TOTAL 10 28 18 46 000 000 000 0.1. 000 000 000 000 000 000 000 00 53N-CDAST 157-165W PERCENT FREG OF WIND DIRECTION VS OCCURRENCE OR NON OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY -0--0-1.2 2.0 27 4.4. 04 m 1.1 2.4 2.9 10.0 -0--0-24.0 400 67 000 400 1.2 0:--2.9 4.50 3 -0-0.1.1 044 - e e 3.3 51 000 -0-1:4 4 22 0 4 W 33 1.0 5.8 000 000 S -0-4.5.0 1.9 701 36 000 200 6.05 400 TABLE 8 S 1.0 1.4 2.5 56 44.5 0.1. 4-4 000 20 000 000 400 79. 1:1 3.6 000 000 200 SE 440 2.7. 000 25 3.5 000 42.6 4.50 1.7 52 4.16 0.44 2.1.6 9.7.1 5.4 1.0 1.4 1.00 0.44 440 1.2 2.5 PERIOD: (PRIMARY) 1957-1969 (OVER-ALL) 1908-1969 0,44 000 -0. 440 -0-1 000 1.1 3.0 5.2 0.44 440 1.5 4.9 707 644 444 40.0 PCP NO PCP TOTAL PCP ND PCP TOTAL PCP NO PCP TOTAL PCP NO PCP TOTAL PCP NO PCP TOTAL PCP NO PCP TOTAL TOTAL 1/2<1 5<10 2<5 1<2 10

5.8 7.3 13.1

1.2

DECEMBER

1:1

5.13

8.2 19.9 28.1

	AREA OO
DECEMBER	0 u a 4 b
	1957-1969 1908-1969
	PERIOD: (PRIMARY)
	PERIODI

522 13.5 11.6 22.1 14.7 24 64 75 129 270 TOTAL 0 0 0 0 UNIMAK 157-165W AREA 0007 53N-CDAST 00000 01001 00164 001114 004490 SPEED 00011 01001 00000 0000 10010 01864 PERCENT FREG OF WIND DIRECTION VS WIND WITH VARYING VALUES OF VISIBILITY 00000 00101 00011 000440 00100 01740W 1W 00000 00000 00000 00000 00000 00000 00101 00000 00000 00000 m 00000 00000 00000 00440 04400 10110 FB 00000 00011 01114 00014 00044 80 את העמשט שממשט שיויים ווייים שמויים ה A ooooo ooung ooou onow owen omits 3t -466) Z total ootte ottol 0-3 4-10 11-21 22+ TOTAL 0-3 4-10 11-21 22+ FOTAL SPD KTS 00-3 4-10 11-21 22+ TDTAL 00-3 4-10 11-21 22+ TDTAL TDTAL TDTAL TDTAL 0-3 4-10 11-21 22+ TOTAL

1/2<1

VSBY (NH) <1/2 1<2

2<5

2<10

10+

UNIMAK 157-165W		TOTAL 08S	225	184	167	180	756
AREA 0007 53N-CDAST	9	NH <5/8 ANY HGT	30.7	36.4	32.9	30.0	245
A A B	PERCENT FREQUENCY DF CEILING HEIGHTS (FEET,NH >4/8),AND Occurrence of NH <5/8 by Hour	TOTAL	69.3	63.6	67.1	70.0	511
	EET, NH DUR	\$ 000 \$	0	•	•	•	
	HTS (F	6500	4	•	1.2	•	w 4.
10	3 HE I GI NH <57	5000	1.3	5.	•	9.	2.
TABLE 10	ENCY OF CEILING HEIGHTS (FEET OCCURRENCE OF NH <5/8 BY HOUR	3500	4.0	4.9	9.9	6.1	5.3
	CY OF CURREN	2000	14.2	9.5	15.6	12.8	98 13.0
	REQUEN OC	1000	4.9 12.9 22.2 14.2	25.5	12.0 22.2	4.4 15.6 24.4	178
	CENT F	009	12.9	12.0 25.5		15.6	99 13.1
	PER	300 599	4.9	4.3	5.4	4.4	4.1
		150	3.6	•	1.2	1.7	13
696		000 149	5.8	7.1	5.4	4.4	5.7
1957-1969 1908-1969		HOUR (GMT)	00000	60390	12615	18621	PCT
PERIOD: (PRIMARY) (OVER-ALL)							
PERIOD:							

	AND/OR	TOTAL 08S	221	183	164	178	746
	SY (NM)	NH <5/8 AND 5+	28.5	35.5	59.9	29.5	229
	S OF VSE	000+ NF	38.0	33.9	38.4	34.3	270
TABLE 12	F RANGE	<150 <600 <1000 1000+ <50YD <1 <5 AND5+	6.3 15.8 33.5 38.0	30.6	9.8 31.7	11.2 36.5	
F	FREQ 0	6000 1	15.8	13.1	80	11.2	95 247
	TVE PCT CEILIN	<150 <50YD	6.3	7.7 13.1 30.6	5.5	4.5	6.0
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGI (FEET,NH >4/8),BY HOUR	HOUR (GMT)	00000	60390	12615	18621	TOT
		TOTAL OBS	221	183	164	178	746
	3Y HOUR	10+	53.8	58.5	52.4	51.7	201 404 26.9 54.2
-1	(NX)	2<5 5<10	26.2 53.8	23.0	29.3	29.8	201
TABLE 11	CY VSBY	2<5	10.4	10.9	10.4	13.5	84
	FREQUEN	1<2	4.1	4.9	6.4	3.9	6. 4.
	PERCENT FREQUENCY VSBY (NM) BY HOUR	1/2<1	2.3	1.1	•	•	9
	•	<1/2	3.2	1.6	2.4	9.	15
		HOUR (GMT)	60300	60390	12215	18621	TOT

TABLE 11

(PRIMARY) 1957-1969 (DVER-ALL) 1908-1969

PERIODI

AREA 0007 UNIMAK 53N-CDAST 157-165W

		CALM	•	'n	4.	-:	.1	•	•	^	1.0			TOTAL	180	185	137	166	899
	TEMP	VAR		•					o.	0	•		HOUR	HEAN	87	96	85	87	86
	₽	3	1.	2.1	6.3	5.1	3.7	3.3	4.	141	21.1		₩	90-100 P	46.1	42.2	36.5	51.2	596
	DIRECTION	3	•	m	6		•		•	11	16.		HUMIDITY	80-89	8.3	3.5	5.0	8.9	
TABLE 14	MIND	MS		5.1	4	-					11	LE 16	RELATIVE		8	<u>м</u>	m +	2	~1
TAB	Y 0F	S	•	4.8	3.3	•	• 1	°	•	59	8.8	TABLE	OF REL	70-79				12.	
	FREQUENCY	SE	•	3.7	2.1	7	~•	•	•	41	6.1			69-09	5.6	5.9	S. 8	9.9	0,
	ERCENT FR	ш		3.9	4.0	1.2	°.	<u>ي</u>	•	62	6		FREQUENCY	30-59	2.2	1:1	2.2	1.2	11
	PERC	Z.	•	3.4	4.5	1.2	4.	•	•	65	6.4		PERCENT	0-29	•	•	•	•	0
		z	•	2.7	5.4	2.7	3.6	.	•	102	15.3		_	HOUR (GMT)	60300	60390	12615	18621	101
	TJO	FRED	1.0	29.5	39.7	16.2	9.1	3.9	4.	100.0									
	TOTAL	088	7	197	592	108	19	5 6	M	199			HOUR	00	278	254	214	241	786
	BY TEMP	90-100		12.1						7	44		F) BY	MEAN T	Ð	S.	K)	36.1	•
		80-89	e.	10.6	13.3	4.6	1.9	4.	•	209	31.3		(DFG	N I W	ထ	8	•	19	&
	HUMIDITY	42-07	4.	4.5	6.3	2.2	2.5	•	•	~	16.8		OF TEMP		19	21	50	21	02
TABLE 13	RELATIVE	69-09	•	1.9	2.5	6.	•	•	•	40	0.9	15		% %	52	52	54	97	52
1	10	50-59	•	.			-:	0	•	~	1.5	TABLE 1	PERCENTILES	20%	38	37	37	37	37
	FREDUENCY	40-49	°.	•	•	•	•	•	•	0	•		AND	95%	43	45	45	43	4 6
		30-39	•1	•	0	0	0	0	0	-			MEANS, EXTREMES	* 66	46	77	4	4	4 N
	PERCENT	0-29	•	0	0	0	•	•	•	0	•		EANS,E	WAX .	64	.	.	4	64
		TEMP F	65/65	40/04	35/39	30/34	52/53	20/24	15/19	TOTAL	PCT		Ī	HOUR (GMT)	0000	60390	12615	18621	101

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AREA OCO7 UNIMAK 53N-CDAST 157-165W	
TABLE 17	
PERIOD: (PRIMARY) 1957-1969 (OVER-ALL) 1908-1969	

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION-	
(WITHOUT	_
F FDG	(DEG F
CCURRENCE D	VS AIR-SEA TEMPERATURE DIFFERENCE
THE O	ATURE
F) AND	TEMPER
(DEG	R-SEA
TEMPERATURE	VS AI
AIR	
9	
FREG	
PCT	

FOG	. 5	4	2.2	6 4 0 7	4.6	6.5	11.5	5.6	9.4	5.7	5.6	4.6	6.1	6.6	3.5	5.6	80	753	97.3
₹0	•••	o, r	4	• •	5	۲.	٠.	-:	4.	•	۲.	•	0	•	0	•	•	21	2.7
T01	41	7,	20	6 6 6 6	79	51	06	**	68	44	44	73	47	72	27	20	•	774	100.0
49 52	7.0	0	00	• •	•	0	•	•	0	•	•	•	0	•	0	•	•	-	
4 4 8 4	-0.	.,	•	- 0	0	•	•	•	•	0	•	•	•	•	0	•	•	0	1.2
14	w	∵	1.4	1.9	3.5	2.1	1.3	Φ.	4	e.	7	•	•	•	•	•	•	115	14.9
97	00	0	9	2.1	6.3	3.7	7.8	4.4	5.8	3.6	5.6	1.2	9.	•	•	•	•	316	40.8
33	•••	٥,	::	. 4	•	•	1.9	4.	5.6	1.8	5.6	5.3	2.5	1.2	•1	•	•	157	20.3
32	•••	0,0	0	::	6	•1	4.	•	7	•		1.9	2,1	3.7	ė	•	•	73	4.6
25	0.3	0,0	0	0	°	0.	6		•	•	0	• 2	.5	4.1	2.1	9	-	65	8.4
21	•••	0,0	0	00	•	•	•	•	•	0	•1	• 2	4.	-	8	1.6	٠,	28	3.6
17	00	0.0	0		•	•	•	•	•	•	•	•	•		e.	4.		10	1.3
AIR-SEA TMP DIF	7/8	U1 4	r M (7 1	0	7	-5	•	4-	•5	9	-1/-8	-6/-10	-11/-13	-14/-16	-17/-19	-20/-22	TOTAL	PCT

HET 1-3 4-10 11-21 Z2-33 34-47 464 TOTAL 1-3 4-1	(PRIMA	RY) ALL)	1963-1969	69					TABLE	E 18			53N	A 0007	UNIMAK 157-165W	M.S.
1					CT FRE	J.	SPEE	÷.	TS) AND	RECT		EA HE	GHTS (FT.)		
T 1-3 4-10 11-21 22-33 34-67 484 TOTAL 1-3 1-8 1-8 1-8 1-8 1-8 1-8 1-8 1-8 1-8 1-8					z									NE		
1	GT	1	7	1-2	22-3	34-4	48	+	OTA		-	1-2	2-33	34-4	œ	DTA
		0			•	•	•	0			•	•	•	•		m
The state of the s	,5	6			•	•	•	0				•		•		9
	4	•		•	•	•	•	0		•		•		•		14
The state of the s	٥	0		•	٠	•	•	0	80	•	e.			0.	•	S
		0			1.	•	•	0	11	0.	6.			•	•	*
111		•			1.	•	•	0	60	•	•	•		0.	•	0
T 1-3 +10 11-21 22-33 34-77 4 1 1 1 1 2 1 2 1 1 1 1 1 1 2 1 1 1 1 1	~	0			•	•	•	0	7	•	•	•			0.	-
116		•			•	٠	•	0	m	•	0.	•		6.	•	· m
T 1-3 4-10 11-21 22-33 34-47 45- 101-21 22-33 34-47 48- 101-21 22-33	_	0			•	•	•	0	2		•			0		-
T 1-3 4-10 11-21 22-33 34-7 4-10 11-21 22-33	_	0				•	•	0	0	•	•	0		0	0	-
T 1-3 4-10 11-21 22-33 34-47 4-16 11-21 22-33	2				• 1	•	•	0	0	0.	0	0		5	C	, tu
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T 1-3 4-10 11-21 22-33 34-47 46 TOTAL 1-3 4-10 11-21 22-33 34-47 48 TOTAL 1-3 4-10 11-21 22-33 34-47 4	0					•	•		· c		C			9		• •
T 1-3 4-10 11-21 22-33 34-47 46+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10	1 4				•	•	•		o C		0				•	•
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T 1-3 4-10 11-21 22 13 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 6			•	•	•	•		o C					•	•	•
T 1-3 4-10 11-21 22-33 34-47 4-54 TOTAL 1-3 4-10 11-21 22-33 34-47 4-64 TOTAL 1-3 4-10 11-21 22-33 34-47 4-10 11-21 22-33 34-	2 6				•	•	•	,	o c							o c
1-3 4-10 11-21 5-6 3-3 34-47 46+ 1011-21 22-33 34-47 46+ 10144 1-3 4-10 11-21 5-6 3-3 34-47 46+ 1011-21 22-33 34-47 46+ 10144 1-3 4-10 11-21 5-6 3-3 34-47 46+ 1011-21 22-33 34-47 48+ 10144 1-3 4-10 11-21 22-33 34-47 46+ 10144 1-3 4-10 11-21 22-33 34-47 46+ 10144 1-3 4-10 11-21 22-33 34-47 46+ 10144 1-3 4-10 11-21 22-33 34-47 46+ 10144 1-3 4-10 11-21 22-33 34-47 46+ 10144 1-3 4-10 11-21 22-33 34-47 46+ 10144 1-3 4-10 11-21 22-33 34-47 46+ 10144 1-4 4-10 11-21 22-33 34-47 46+ 10144 1-5 4-10 11-21 22-33 34-47 46+ 10144 1-6 4-10 11-21 22-33 34-47 46+ 10144 1-7 4-10 11-21 22-33 34-47 46+ 10144 1-8 4-10 11-21 22-33 34-47 46+ 10144 1-9 4-10 11-21 22-33 34-47 46+	2				•	•	•		o c						•	•
1-3 4-10 11-21 22-33 34-47 45+ TOTAL 1-3 4-10 11-21 22-33 34-47 45+ TOTAL 1-3 4-10 11-21 22-33 34-47 46+ TOTAL 1-4 4-10 11-21 22-33 34-47 46+ TOTAL 1-5 4-10 11-21 22-33 34-47 46+ TOTAL 1-5 4-10 11-21 22-33 34-47 46+ TOTAL 1-6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2				•	•	•		o c		2 0					•
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1-3 4-10 11-21 22-33 34-47 46+ TOTAL 1-3 4-10 11		ú		•	9	2.	•	0	4	•	•	•		•	. 60	0
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1-3 4-10 11-21 22-33 34-47 46+ T0TAL 1-9 4-10 11					ш											
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PERIOD: (PRIMARY) (OVER-ALL) 1963-1969

DECEMBER Table 18

AREA 0007 UNIMAK 53N-CDAST 157-165W

																									GRAND	101	51	78	17	63	35	28	17	25	60	6	6	0	0	0	0	0	0			100.0
	TOTAL	[-	90	_	∞	60	•	m	5	4	~	0	•	o	0	0	0	0	a	c	, r		,		TOTAL	0	7				01			4	7	0	7	0	0	0	0	0	0	0	_	19.1
	48+	•		•	•		•		.	•	•	•	•	•	•	•	•	•				, r.	:		48+	•	•	0	0	•	•	•	•	•	•		5.	•	•	•	•		•	•	~	
(FT)	34-4	•	•	•			3.			٠.	m ·	•	•		•		o.	•				2.0	•	2	34-47	•	•	•			e.	Φ.	•	٠,	6.	•		•	•	o.	•	•			_	2.8
IGHTS (F) ' 	•	•	٠.	m.	5.	'n	٠. ا	m,	•	•	?		•	•	o	•	•	0	0	2.6	•		22-33	•	•	•		1.3	•	€.	ď.	er,	°.	•	•	•	°.	o.	•	•	•	<u>د</u>	3	8.2
SEA HE	11-21	•	E.	•	1.5	•	• 5	•				o c	•	•	•	•	•	•	0		18)		11-21	•	8	•	2.0	.5	6.	•	•	•	e.	•	•	•	•	•			•		N	
VERSUS	4-10	•				•		•		•	•	0,0	•		•	•	o.	•			13		•		4-10	•	1.0	5.	.3	•	°.	•	•	o	c.	٠.	o.	•	°.	o.	•	•	•	• •	•	
DIRECTION	1-3	•		•	•	•	•	•	•	•	•	o c	•	0	0	•	•	°	•		0	0			1-3	•	•	•	•	•	•	c.	•	•	•	•	0.	•	·	•	•	•	•		Э (0.
(KTS) AND	TOTAL		7	6	6	9	-	m ·	۰ ۱	^	0 (5 (3 (0	0	0	0	0	0	0	41		,		TOTAL	m	4	12	11	7	ç	'n	m	7	m	0	-	0	0	0	0	0	0 0		٥	15.8
SPEED	48+		•	°.	•		0		•	•	•	•	•	0				•	•			•			48+	•	•	•	o.	•	•	•		·.	o.	•		•	°	0			•	•	7 1	÷
OF WIND	34-47	•	•	0	•	e.	0	m.		1.3	•	•		0.0	o.	•	•	•	•			2.0			24-47		•	0.	e,	'n	٠.								•						┥.	
T FREG	22-3	•	•	·.	•		0.1	•	•	•	•	• 0	•	•	•	?	•	•	•	•	7	1.8		3	22-33				•										•						-	
D d	_	•	•		•							•													11-21	•		2.0	•	'n	•	•	•	•	•	•	•	•	•	•	0	•	•	•	-	•
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	HGT	-	1		9-6	~	8-0	5:	7,	-	ij	22-22	,	0 0	7 .	1	9-6	1-7	1-8	87+	ㅁ	5			HGT	₽		3-4		~	8-6	5	7,	3.	1-1	0-5	3-2	0	33-40	1 - 1	9-6	7-1	170	5 6	5 6	د

AREA 0007 UNIMAE 53N-CDAST 157-165W
TABLE 18 (CONT)
PERIOD: (PRIMARY) (OVER-ALL) 1963-1969

	TOTAL OBS	12	51	78	71	63	35	28	17	25	60	•	•	0	0	0	0	0	0	0	394	100.0
(FT)	+8+	•	•	0.	0.	•	0	•	.3	1.5	0.	•	• 5	•	٥.	•	•	•	0.	0.	0	2.3
KEIGHT	24-45	•	•	•	1.0	2.0	1.3	3.3	1.5	3.6	1.3			•	•	•	•	•	•	•	58	14.7
VS SEA	22-33	0.	•	3.3	4.6	7.6	5.3	3.8	2.3	1.3	6.	e.	•	•	•	•	•	0.	•	•	113	26.7
(KTS)	11-21	•	3.6	11.2	10.9	5.6	2.0	•	ů.	•	5.	·.	•	•	c.	•	•	0.	•	•	134	34.0
SPEED	4-10	2.5	9.1	5.3	1.5	∞.	ú	•	•	•	•	0	•	•	•	•	0	•	•	•	77	19.5
MIND	0-3	5.	e.	0.	•	•	•	•	•	0	•	٥.	•	•	•	•	•	•	•	•	m	89
	НСТ	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	+ 28	TOTAL	PCT

TABLE 19

	_
	49-60
(\$(41-48
(SECOND	33-40
	26-32
MAVE P	23-25
٧S	0-25
(F)	15 2
HE I GHT	12 13-16 17-15 20-22 23-25 26-32 33-40 41-48 49-60
WAVE	12 13
9	
PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD	8-9 10-11
PERCENT	7
_	9

MEAN	HGT	4	1	0	, 5	? =	1 1	•	-	•
TOTAL		173	86	60	26	22	2	7 7	436	100.0
87+		•	0	9	9	0	9	0	0	•
71-86		0	0	0	0	0	0	0	0	•
61-70		0	•	0	0	0	0	0	0	•
49-60 61-70 71-86		•	•	0	0	0	0	0	0	0
41-48		•	•			0	•	•	0	•
13-16 17-15 20-22 23-25 26-32 33-40 41-48		•	•	0	0	0	0	0	0	·
26-32		•	•	0	0	0	0	•	0	•
23-25		•	•	.7	0	5	.2	0	9	1.4
20-22		•	•	6.	5	0	•	•	9	1.4
17-15		•	.7	• 5	5.	.2	5	•	10	2.3
13-16									34	
12									32	
10-11		1.6	1.8	2.5	0	6.	•	•	30	6.9
8-9		3.0	3.4	2.5	1:1	5.	•	•	46	10.6
7		5.0	6.2	4.6	1.1	5.	.2	.2	78	17.9
9-6		4.6	3.4	6.	•	5.	•	•	62	14.2
3-4		12.2	2.3	1.6	.5	0.	•	0.	72	16.5
1-2	1	7.6	.7	1.4	•	•	•	•	45	9.6
⊽									18	
PERIOD	(SEC)	9>	6-7	8-9	10-11	12-13	>13	INDET	TOTAL	PCT

ANNOAL

UNIMAK 157-165W AREA 0007 53N-CDAST TABLE 1 PERIOD: (PRIMARY) 1951-1970 (OVER-ALL) 1901-1970

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	TOTAL	085		823	396	559	483	880	456	689	578	1133	730	1136	1022	1826	1121	1146	784	0	404	14171	100.0
MENA	2	SIG	WEA	4.7	2.2	2.7	2.0	3.5	1.9	2.7	2.0	4.0	3.3	5.5	5.6	10.9	6.9	7.1	4.8	•	2.4	10306	72.7
HER PHEND		BLWG DUST	BLWG SNOW	*	•	°.	*	*	#	°	•	*	*	•	*	*	*	*	*		•		• 5
R WEAT	SMOKE	HAZE		*	*	*	•	#	*	~	•	•	*	~	*	*	*	*	*	•	*	6 0	•
OTHE	FDG	2	Z d O d	6.	7.	4.	m.	6.	.	۰.	æ	1.5	æ	1.2	.7	۰.	e.	.2	.2	•	•	1407	6.6
	THOR	LING		0	0.	•	•	•	o.	•	•	•	•	•	#	*	•	•	· •	•	•	2	*
	TOTAL	PCPN	088	103	54	113	151	253	133	188	180	258	140	180	119	160	4	115	81	0	19	2344	
	PCT FREQ	PCPN AT	OB TIME	.7	4.	φ.	1.1	1.8	6.	1.3	1.3	1.8	1.0	1.3	80	1.1	.7	.	•	•			16.5
	HAIL			*	•	•	•	*	*	•	*	•	•	*	*	*	*	#	*	•	•	25	• 2
TYPE	CTHER	FRZN	Z C O			}	•	*	•	•	•	•	*	•	*	*	•	*	*	0	*	15	
ATION	SNOW			6	7.	7	7	?		*	-:	-:	~	• 7	-;	• 5	G	ů	'n	•	•	340	5.4
PRECIPI	FRZG	ACD A		0.	•	*	•	o.	0	•	•	•	•	•	oʻ	•	0	*	٠ <u>.</u>	ဲ့	•	7	*
ā	DRZL			.2	ન.	ů.	٠.	•	4.	'n	'n	.	'n	۰.	4.	4.	~	2	۲.	o.	۲.	889	6.9
	RAIN	SHWR		*	*	*	*	*	*	*	*	۲,		-:	-:		7	*	*	•	o,	102	٠.
	RAIN			.2	• 5	4.	٠.	φ.	.5	70	.7	6.	4.	٠.	4.	4.	•2	e.	7.	•	1.	1082	7.6
	WNC DIR			z	N N N	¥	ENE	ш	ESE	SE	SSE	S	SSW	N.S.	MOM	*	323	Z	N Z Z	VAR	CAL	TOT OBS	-

TABLE 2

PFRCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	•	085		92	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3603	3392	3529	14363	100.0
ANHE	2	516	WEA	76.8	•	72.0	73.2	71.0	10452	72.8
ER PHEND	DUST	LWG DUST	LWG SNOW	?			• 1	• 5	25	• 2
R WEATH	SMOKE DUST	HAZE B	€	α,)	٠.	.	7.	88	•
OTHE	FOG	2	PCPN						1435	
	THDR	LING		*		•	٥.	*	2	*
	TOTAL	PCPN	088	529		600	623	609	2361	
	OCT FREG	PCPN AT	OB TIME	13.8		16.7	18.4	17.3		16.4
	HAIL			2.		.2	.2	-	25	• 5
TYPE	UTHER	FRZN	PCPN			٠.	• 1	۲.	15	۲.
TATION	NONS			2.7		2.2	5.6	2.2	347	2.4
RECIPI	L FRZG	PCPN		0		•	. 1	•	7	*
۵	DRZL			4.8		6.0	7.4	6.9	891	6.2
	RAIN	SHER		•			.7	٥.	106	۲.
	RAIN			0.9	1	7.7	8.5	8.2	1086	7.6
	HOUR	(GMT)		60300		60390	12615	18621	TOT	PCT

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157-		GMT)			0.0	12129848
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	AND BY	0	~ WNWWWW4		1000	12111111111111111111111111111111111111
	PEED	ŏ			·	010 014 04 04 04 04 04 04 04 04 04 04 04 04 04
	10N BY S				0	2012 1017 1007 1007 1007 1007 1007 1007
m	DIRECTI	MEAN	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	00000000000000000000000000000000000000	8	
TABLE	F WIND	PCT		7 NBBW-4BW-4	100.0 TABLE TABLE SPD	11111111111111111111111111111111111111
	□	TOTAL OBS	2000 L 200 L	1316 12253 12253 1426 1426 174 174 174 174 174 174 174 174 174 174	9 R P A P A	2 .12 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0
	E FREQUENC	4 4	·******		. 5 TOTAL 08 S	11564 11289 11519 11512 11512 21660 2463 2440
	ERCENTAGE	34-47		₩ 14 ш 4 ш 5 ш и и и 0	• +	<i>u</i> - <i>u</i> - <i>u u u a</i> 0
2	PER	22-33	u	4044780WO W	101	##00####O
61-1061		ND SPEE 11-21		4 4 8 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2.6 -27	449408790
4-ALL)		4-10			n. 291	819187740 819187740
		0-3	4444444	40000 mmm	• 1	WU4U4V-1000
		WND DIR	2	OCA SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	ND DI	C S S S S S S S S S S S S S S S S S S S

PAGE 146

													TOTAL	750	379	487	422	728	376	721	0 0	607	940	920	1725	1107	1131	775	0 ,	•	100.0
										(8/4)			NH <5/8	2.5	1.1	1:	9.	1.0	ů,	•	1.2	1.0	2.1	2.3	5.4	3.8	3.9	2.9		~ ~	31.6
UNIMAK 157-1651										(FT,NH >4/8)	DIRECTION		+0008 000	*	•				* *			*						+ (* 66 89	.5
A 0007 U										HEIGHTS	WIND DIR	,	50000 030 6499 79	*	*	*	*	* (•	*	*	*	, 1	٠.		7	# 1	+ c	> #	7.1	9.
AREA 53N-		OTAL OBS	4560	200	610	546				CEILING	<5/8 BY	•	4999	e,	۲.	.1		2.		: -	m	.2	т.	m.	v.	w (•	•	422	3,3
	2))	0 0				_	0		TABLE 6	CY OF	H NH		3499	60	4.	4.	4.	œ 4	, «		0.1	9.	•	1.0	•	•	•		• •		13.9
	(GMT)	PCT FRE(100.0	100	100		100.		TAE	FREQUENCY	0		1999	1:1	.7	1.0	0.1	1.3	, ,		1.7	1.3	1.8	2.0	3.0	1.9	0.7	1	2 4	6	23.0
	Y HOUR	MEAN	16.9	9	·	•					OCCURRENCE	į	666	1	4.	٠,	5	6.	٠,		1.2	8.	1.1		1.5	œ (· .			1 80	_
	SPEED BY	CALM	1.5	3.2	2.7	443	5.6			PERCENTAGE	AND OC	6	066	• 2	٠.	• 5	7.	4.	, 6	.2	4.	63	r.	2.	٠, ٠	7.	7.	• 0	2 -	10 1	•0
TABLE 4	WIND SP	KNOTS)	۲.	*	1	68				PER	٩		299 5		*	.1	7	2.1	٠-	: -:		*	٠.	7	.1	* •	:-		*	165 5	e,
	P	SPEED (5.3	0	5.6	917	5.3					000	149	•2	•1	4.	4.	0.4		9	1:1	•2	.7	4	•	7.	, ,		. "	993	7.9
	FREQUENCY	WIND 22-33	21.4	9	6	G	0																								
	ERCENTAGE	11-21	42.5	9	-	34	2.			(EIGHTHS)		MEA	OVER		•	•	•	•	23		•	•	•	•	•	•	•	•	•	6.2	
	PER	4-10	6 25.6	26.	26.	456	26.			AMDUNT (EI		, , , ,	08S C	750	379	487	422	376	551	456	899	607	940	92	7	1131	77	0	ø	26	00
970 970		1-3	2.6	'n	ë	53	•		E 5	CLOUD AMD	DIRECTION		SCD	•	•	•	•		3.2	•	•	•	•	•	•	•	•			158 1	80 80
1951-19 1901-19		HOUR	00503	251	862	10	PCT		TABLE	AL	MIND	,)									•	•	•	•	•	• •			3541 6	6.
										OF TOT	ВУ	,)	ω					2				~	•	•	1.4	•	0		1332	9.0
(PRIMARY) (OVER-ALL)										T FREQ		,	1	1.2					. 7			.2	ů.	•	•		•		ω.	1484	1.8
PER100:										3		2 2 2	3	Z	N.	۳ L	ה ה	n r	i m	SSE	S	SSK	S	3 3	2	2 2	2 Z	. 4	CAL	085	OT PCT

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:	٥
2	Z
2	Z
4	⋖

7 UNIMAK 1 157-165W
AREA 0007 53N-CDAST
TABLE 7
1951-1970 1901-1970
PERIOD: (PRIMARY) (OVER-ALL)

URRENCE	OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)
s S	VSBY
ANEOL	AND
IMULT	>4/8)
P	IN.
T FREQ	HEIGHT
VE PC	LING
JLAT I	CEI
5	ŏ

	9	×	1.3	1.9	5.5	19.2	42.2	55.2	59.2	60.5	68.3	8670
	• 80	>50YD	1.3	1.9	5.2	19.2	42.2	55.2	59.5	60.5	68.1	8645
	08	>1/4	1.3	1.9	5.2	19.1	42.1	55.0	59.0	60.3	66.5	8448
_	90	>1/5	1.3	1.8	5.2	19.1	41.8	54.7	58.6	59.9	64.5	8185
VSBY (NM	# 0R	7	1.2	1.8	5.1	19.0	41.6	54.5	58.1	59.3	63.0	9662
	• 08	>2	1.1	1.7	2.0	18.7	40.8	52.9	56.4	57.4	59.9	7607
	• 80	^	1.0	1.5	4.7	17.5	37.5	47.7	50.4	51.1	52.1	9199
	■ OR	> 10	Φ.	1.2	3.7	11.7	24.4	30.1	31.2	31.4	31.6	4016
	CEILING	(FEET)	- OR >6500	= DR >5000	■ DR >3500	■ DR >2000	■ DR >1000	■ OR >600	■ DR >300	- OR >150	■ OR > O	TOTAL

TOTAL NUMBER OF OBS: 12695 PCT FRE

PCT FREQ NH <5/8: 31.7

TABLE 7A

(EIGHTHS)
CLOUDS
20
FREQ
PERCENTAGE

TOTAL OBS	7.1 13370
088CD	7.1
60	33.2
7	10.5
•	11.2
10	6.8
4	4.9
М	6.9
2	4.
-	4.2
0	6.5

		PCT	8 1 6	21.5	4.57	4.8 5.6	6.0 21.3 27.3	2.0 48.7 50.6	100.0	
		TOTAL	116 579 695	129 207 336	300 317 617	672 797 1469	850 3001 3851	278 6870 7148	14116 1	
		CALM 1	35.	* 0 -	**;	10.11		1.9	2.9	
X 65%	z	VAR	630	000	000	000	000	000	••	
UNIMAK 157-1656	ITATION	Z	2:12	1.1	1,42	4	1.1	3.5	788 5.6	
AREA 0007 53N-COAST	PRECIP	ž	*13	* * '0	28	.1.46	1.6	5.3	1143 8.1	
AREA 53N-	CE OF	Z	1.8	* * *	1.# 8	5.00	1.6 271	5.2 753	7.9	
	NON OCCURRENCE	3	* 4 4	.1.24	32	 5.1	8 8 8	 77 11111	1825	
	NON OC	MSH	. No	.1	• 1 • 1 30	8 8	1.7	3.8 549	7.2	
	× >	MS	8.5.	3.5	4.5	.9	1.8	3.4	8.0 8.0	
TABLE 8	DCCURRENCE	NSS	5.3	30	.2 .2 .5 1	6.48	1.2	2.0 288	728 5.2	
TA	VS YIY	S		1.6.4	7.3	.6 .7.	.6 1.6 317	2.6 391	1124 8.0	
	DIRECTION WITH VAR	SSE	* ° 7	.1.	65.5	105	181	 .9 150	572 4•1	
	MIND DI	SE	* 6.4	.1.27	2.5.5	4 4 0	1.2	1.5	A 4 W 80	
	OF	ESE	19	1,*91	30	4 · · · · · · · · · · · · · · · · · · ·	149	1.0	4.5 5.5 5.5	
	INT FREG	ш	1.4.4	30	5.55	180	1.3	1.9	6.2	
0.5	PERCENT	ш	25.11	**2	33.1	42.5	4.0.4	1.2	87.4	
1951-1970 1901-1970		N.	25.1	10.1	32	.22		1.7	25. E	
		NNN T	**2	***	23	2.1.27	96	1 * 1.6 3 235	2.8	
(PRIMARY) (OVER-ALL)		Z	55.1	***	5.4.5	23.62	1.1	. 3.5 513	8 2 3 8 4 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
			PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCT	
PERIODI		VSBY (NM)	<11/2	1/2<1	142	5 < 5	5<10	+01		

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		PCT	17.8	4.2	4,00,04		48000	111.2	22692	100.0
		TOTAL	67 211 314	119	12 88 151 105 356	133 252 241 662	9004 674 609 1651	185 1002 1909 1461 4557	596 2775 3985 1816 9172	17109
		CALM		34	* ~	1. 61	.1	. 5	1.7	439
χ φ 33		VAR	•••	00	00000	00000	00000	00000	00000	00
UNIMAN 157-16		Z	* * *	21	****	****	* 1104	2	1.0 1.0 1.0 638	967
0007 0087		3 2	* * *	* 5	J###00	*** -, "	**~~0	362	12.30	14.52 8.5
AREA 53N-C	ED	Z Z	0##	18	0 * * * 60	2*0	**027		1	1417
	SPE	3	*	# 4	\$ ¹ ,**	* * 6	* ~ ~ ~ ~ ~ ~ ~ ~	11. 7 32.4.00 #	2.6 3.6 1.8	2229
	VS WIND	E SE		55	****	8*0	* 1 6 7 7	4.0.0v	1.2 2.1 2.1 701	1246
	ECTION S OF V	3K	* ~ ~	85	9 ***	* 6	# ~ 4 % %	# 90.4	1.02	1394
9	IND DIRE	NSS	*1.5	V. #	m *	23.110	10.5	2 4	# C C M O O M O M O M O M O M O M O M O M	8 7 • 0
TABLE	DE WIN	S	# ~ ~	108	*-7-1-9	4.000	* 0.4 4 8	1.00.1		1303
	FREQ	SSE	* - ? ?	4.1	0*	\$ *	1.00.0	80999	**************************************	999
	PERCENT	SE	* 7.7	* 00	*****	* # 2 - 8	# n.e. 2.4	268	30e	824 4.8
		ESE	**-	* 50 -	0 * - * * * * *	*****	0 6 6	* 64 6 6	1	3.0
		ш	* ~	65	**"*0	* -1 - 2 %	* 24.4	* 4.0.27.2		965
		ENE	**~	54	0.****	0.*	*1222	# 2.5.E.	2,48	580 3.4
1970		N N	**-	52	0.***9	**4	* -12.72	# 255 m ==	66 o	698
1951-1970 1901-1970		NNE	0 * *	*:	ó***m	** T T S	0*11.6	*1.531	323	3.0
(PRIMARY) (OVER-ALL)		z	***	23	0 * * * •	### 7•	* 12.12	4 W 10 4 4	4.00	1048
	ņ	SPD	0-3 4-10 11-21	22+ TOTAL	0-3 4-10 11-21 22+ TUTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
PERIOD:		VSBY	<1/2		1/2<1	142	. 25	5<10	10+	

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										ONA	T0T/	
UNIMAK 157-165W		TOTAL OBS	3591	3195	2936	3195	12917	100.0		CNH) HOUR	NH <5/8	
AREA 0007 UN 53N-CDAST 15		NH <5/8 T ANY HGT	33.3	32.5	33.7	30.0		32.4	E 12	OF RANGES OF VSBY (FEET,NH >4/8),BY	0 1000+ AND5+	ľ
AREA 53N-	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL N	1.99	67.5	66.3	70.0	8733	9.19	TABLE 12	FREQ OF R HGT (FEE	<pre><600 <1000 <1 <5</pre>	
	EET.NH 3	8000+	.7	ω.	.7	6.	66	Φ.		CUMULATIVE PCT FREQ CEILING HGT	<150 <50YD	,
	SHTS (FI	6500	*	.7	.7	6	69	S.		JMULATI	HDUR (GMT)	
10	IG HEI	5000		4.	4.	•	72	•		ธ	_	
TABLE 10	CEILINICE OF	3500	3.8	3.2	3.4	2.8	427	9.9				
	CY OF	2000	15.6	13.3	11.9	13.8	1777	13.8			TOTAL 08S	
	REQUEN	1000	21.6	22.1	22.3	24.8	2928	22.7		PERCENT FREQUENCY VSBY (NM) BY HOUR	÷C.;	,
	CENT	666	12,2	12.9	12.3	13.0	1653	12,3		(NM)	5<10	ı,
	PER	300	3.8	4.2	3.7	7.4	516	4.0	TABLE 11	VSBY	5<5	
		150	1.4	1.3	1.1	1.3	167	1.3	1.1	GUENC	1<2	
1970 1970		000	6.3	8.7	9.6	7.4	1025	6./		ENT FRE		,
1951-1970 1901-1970		HOUR (GMT)	60300	60390	12615	18621	T07	PCT		PERCI	<1/2 1/2<1	
(PRIMARY) (OVER-ALL)											_	,
											HOUR (GMT)	50000
PERIODI												

NO/ON	TOTAL DBS	3512	3152	2887	3144	12695
CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	1000+ NH <5/8 T AND5+ AND 5+	31.6	31.2	31.6	28.1	3890 1
ES DF V	1000+ AND5+	39.4	36.6	34.9	38.6	4760
OF RANG	<600 <1000 <1 <5		32.2		33.3	4045
FREQ G HGT	6 000	12.3	15.4	15.9	14.5	1834
VE PCT	<150 <50YD	6.2 12.3 29.0	06609 8.8 15.4 32.2	9.5 15.9 33.5	18621 7.5 14.5 33.3	1003
CUMULATI	HDUR (GMT)	€0300	60390	12515	18621	T0T PCT
	TOTAL 085	3512	3152	2887	3144	12695 100.0
(NM) BY HOUR	5<10 70+	22.4 62.5	57.0	52.2	6.95	7286
	5<10	22.4	25.6 57.0	29.1	25.1	3220
CY VSBY	2<5	7.3	7.6	9.6	9.1	1060
FREQUEN	1<2	3,1	3.4	3.2	3.2	407
PERCENT FREQUENCY VSBY	1/2<1	1.2	1.8	1.7	1.8	204
•	<1/2	3.4	4.7	4.3	0.4	518
	HOUR (GMT)	60300	603 20	12515	18621	T0T PCT

CALM

NU 4-44664-40040

		TEMP	VAR	•	•	•	•	•	٠	•	•	•	•	•	0	3			HOUR	MEAN	85	87	87	87	86
		B	Z	•	-4	•	2.7	2.7	2.3	5.9	1.6	9.	4.		7	13.9	l .		B				6.1		0
		ECTIO	3	*	.2	1.4		•	•	3.5		•	7	*	61	21.2	•		HUMIDITY	9 90-100	7	_	46	7	7
UNIMAK 157-165	71	WIND DIRECTION	S	11	7	1.2		•	•	5.6	•	*	•	*	98	16.1		16		80-89	4	3	35.	n	2
	TABLE	OF WIN	S	0	•	6.	3.8	2.6	3.3	1.9	7	*	0	0	9			TABLE	RELATIVE	70-79	6		13.6	•	93
AREA 0007 53N-CDAST		FREQUENCY	SE	•	7	'n	2.2	1.6	5.6	1.7		#	0	0	89 1	_	<u> </u>		CY OF	69-0	•	•	3.9	•	~
			ш	*	*	5	0	6.	•2	80	٠ س	*	*	0	68 1		; ;		FREQUE	-59 6		•	₩.	•	147
		ERCENT	Ä	*	*	4.				1 9		-	*	*	5 1	7				9 30-			0		
		ď	z	•			-	7	7	_					0	0 7			PERCENT	0-29	•	•	•	•	
			-	•	•	, iv	1.0	1.(-	1.6	1.	•			1100	9.6				HOUR (GMT)	60300	06509	12615	18621	101
			R R E Q	7	.7	6.3	25.6	21.1	20.6	17.9	5.2	1.5	. 7	• 2	100.0										
			101AL 085	7	87	778	15	53	3	20	4	8	O	61	12314				HOUR	OTAL	4567	4386	3839	4470	7262
		TEMP	90-100	•	-	1.8	11.4	4.6	8.9	8.1	2.3	80	4	• 1	G	43.6			F) BY	EAN T	5.1	~:	•2	6.	- -
		ITY BY	80-89	*	• 5	2.7				5.4			-	*	19	_			(DEG	NIN	4	4	7	7 7	4
		HUMIDITY	10-79	*	.2	1.3	2.5	•		•	6.	6.			O	15.7			: TEMP	*	23	23	23	23	23
	LE 13	RELATIVE	69-09	*	7.	6	6.	6 0	•	1.2	5		*	•	~	5.4			LES OF	24	32	35	32	31	32
1-1970	TAB	OF REL	50-59 6	•	٦.		*		۳.	4.	۲.	*	•	•		1.0		TABLE 15	PERCENTILES	*0	45	45	43	77	77
1951-1 1901-1		REQUENCY	0-49 5	•	0	*	#	#	-4	*	•	•	•	•	19	•5		₽	AND PE	5% 55	57	55	54	55	21
		u.	30-39 4	•	•	•	•	*	*	*	•	•	•	0	80	*			S	6 %6	_	80		∞ .	о
(PRIMARY) (OVER-ALL)		PERCENT	-29	•	•	0.	•	•	•	•	0	•	•	•	0	•			MEANS, EXTREME	AX 9	6 0	50		•	5 0
PER100:		a.	TEMP F 0	5/6	9/0	55/59	0/5	2/4	4/0	5/3	6/0	5/2	0/2	5/1	OTA	C			MEAN	Σ	6030	a		_	

TOTAL OBS 3269 3185 2678 3228 12360

TABLE 17
951-1970 901-1970
PERIOD: (PRIMARY) 1951-1970 (OVER-ALL) 1901-1970
PERIODI

53N-CDAST 157-165W

ITATICN)	7 T T T T T T T T T T T T T T T T T T T	* -	41	5		ر د د د	7.4	7.6		4.6	5.4	5.3	0 1	•	•	• •		• 5	•2	~	*	513	
PRECIPIT								_														11	Ū
	₹ D	0.0	* -			0.0	•	1.2		.7	4.	.	~	7		*	#	•	•	0		278	0.0
(WITHOUT F)	T0T	~ ∝	56 109	218	366	603	1138	1128	1137	1285	877	846	9:9	305	27.0	262	124	70	28	0	7	2791	100.01
OF FOG E (DEG 1	65	* *	* 0	00	0	• •	?	0.0	0	٠,	•	•	0	0.	• c	•	0	•	•	0.	•	4	*
	6 1 4	o.*	~; *	~;*	*	0	*	o *	C	•	٥	•	0	0	•	0	•	•	•	0	•	43	.
OCCURRENCE DIFFERENCE	57	o.*	# 7	2.	, m	7 7			*	•	•	•	0.0	• ·	•	0	•	•	•	•	•	230	•
THE	53 56	°.*	۲.		•				•	٠.	.2		: †	* 1		•	0	•	٥.	•		34	10.5
MAND EMPER	49 52	00	17	4 (0			•		•	•	1.3		٠. د		4 0			•	•	•		2372	æ
DEG F	4 4 0 8	00		4 (1)		0 0	•	2.4	•	•	•	•						•	•	0		2121	•
URE (4,4	00	* *	22	•	• •	•	2.5	•	•	•	•	20 <		•		#	0	•	•	•	2024	•
TEMPERATUR VS A	40	00	0 #	* *	7.		•	3.4	•	•	•	•		•		. 2	٦.	•	•	0	0	63	•
	99	00	00	o.*	0 1	+ +	ᅻ.		9		•	0.		•	7	'n	٦.	*	•	•	•		'n
OF AIR	32	00	00	00	0.0	•	* •	* -	#	-	٦.	2.	* "		• 0	9		*	ó	Ç	•	œ	•
FREG	25	00	00	00	•	•	o.	• •	•	*	#	#	* 1	+ c		•	4.	-	-	•	•	212	•
PCT	21 24	00	00	c í	•	•	0.0	• •	0.	0	•		2 1	• •	*	٠,	.2	• 5	۲.	*	•	86	.7
	17	20	00			•	٠ •	• •	၁	ç.		• •			*	*	٠.	7	∹	7		45	4
	13	00									•	•			0			#	*			0.	٦.
	AIR-SEA TMP DIF	17/19	1/19	7 / 8 6	iv 4	m 1	7.	- 0		2.0	. ·	ar w	n 4	- / /	7	11./-	4/-1	17/-1	20/-2	23/-2	26/-3	OTA	PCT

	1AK -165w			TOTA	0	7	621 0	- 4	- 60	0	0	1	0	0		0	0	0		.		90	•	:		TOT	0		-	0	0			*		0	0							0 8 7 0	9 0° 8
	UNIMAN 157-1			4		•	•				•	•	•		•	•		•	•			•				4		•	Ī	•	•	•	•		•		•	•	•	•	•	Ĭ			
	REA 0007	FT)	w Z	34-47	o	္ ်	• ~		•		*	7.	•	*	•	.	•		•						T.	34-47	•	•	•	*	-:		4 #	-		•	ç	•	•	0	0	•	0.	. c	9 6
	ARE 530	HEIGHTS (22-33			* "						*	*		•	0	0,0		•	•	• 6		•		22-33	•	•	e.		e,		•					°.		•					1.6
		SEA				•	6.1		. ~		*	*	•	•	•	o.					•	• •	, ,	•		11-21	•	•	1.2	•	4	. *	+ C		*	ò	•	•	•	•	•	•	• ·	• 0	3.6
		VERSUS		4-10	٠. ا			: -		•		°	•	0	0	0		0.0		•	•	• C	2.0	•		4-10	4.	6.		.2		. *	·		•		°	•		•	•	٠.	o o	. 0	2.3
ANNUAL	ABLE 18	D DIRECTION		1-3		-••	+ **	0		•			•								•	 -		•		1-3	•	*	*	*	•						°.	°.	•		0	0.0	o.	•	•
A	ΤA	(KTS) AND		TOTAL	35	ט ע	121	67	4	20	10	17	4	-	0	0	0	0	0	.	> C	0	0	•		TOTAL	G	108	S.	0 8	25	ט ע ע	000	12	71	-	0	0	0	0	0	0	0 0	~	9.5
		SPEED			•		• •			•							•				•		1 11			48+	°	•	•			•				•	•	o	•		•	0	0	.	· -:
		OF WIND		34-47		•	· -				-:		*	•		•		•				• 6				34-47		•	·	*				*	*	•			•					2.0	
		T FREG (z	22-3	0	oʻ.			4				*	•	•	ó	•	•	•	•	•	• 6	,,,	•	ш	22-3	•	°.	w.			* 4												. 0	2.2
	0,	PC			o.	•	* -		, m			*	°.	*	•	•					•	• ^	4 6			11-21	•	•	1.5	6	•	7-		*	•		•	•	•	•	•	o .			۲.2 ۲.2
	1963-1970			4-10	•		• ^		*	*	٥.	•	0	•	0	0	•	•	•	•	•	• (4	2.5	•		4-10						•								0,0					2.6
	MARY) R-ALL)			1-3	₹	* 1	4		•					0	•	•	•	0.0	•	•	•			:		1-3	*	*	•	C.	•	•		•	•	•	•	•	•			•		•	
	PERIOD: (PRIM			HGT	-4	1 I	† 15 10 10 10 10 10 10 10 10 10 10 10 10 10	_		10-11	12	7	~	0-2	3-5	6-9	3-6	10	C : 1	- 0	170	TOTAL	PCT	2		HGT	₽	7=7	3-4	5-6		100	12.	3-1	7-1	0-2	3-5	6-3	3-4	7	10	0/=10	1 - 8	# 10 T DT A I	PCT

PERIOD: (PRIMARY) (OVER-ALL) 1963-1970

ANNUAL TABLE 18

AREA 0007 UNIMAK 53N-CDAST 157-165W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

																										GRAND	۲ ر د	4 0	0	0 :	5	1	0	4	4	8	37	17	•	4	0	0	0	0	0	0	45	•
	TOTAL	4	149	213	0	98	52	74	27	25	9	0		• ດ	•	> (•	0	0	0	0	•	15.8			TOTAL	57	. 4	1	107		→ •	99	39	58	35	9	2	8	٥	0	0	0	0	0	0	Ô	15.8
	400	0		•	c.		•		*	*	0					•	•	•	o,				-			+8+	c	,			•	K	*	•	•	#	*	•	*	•	•	•	0.	0.	•	0	•	• 5
. 3	34-4	•	0.	•	*		۲.		7.	- 4	*	*	*				•	•	•			34		1		34-47	0	0		•			7.	-:			7.	7.	•				•	•	•	•	79	1.1
		•	•			.5				.2			C			•		•		•	0	S	5.9			22-33	0	#	•		•		0	•		• 5	•	*	0.						0.	•	C.)	
	11-21		1.3	•		•		.3	۲.	*	*	•				•	•	•	0.	•	•	6	7.9			11-51	0	•	•		•	•		•1		*	*	0	0.	•		•			0.	•	373	•
	4-10		1.4	•			*		•								•					7	4.1			4-10		1,3		- "			7,		•		•	•	•		•				•	•		•
	1-3	.1	∹:		•	•	•	•	•	•	•						•	•	•	•	•	11	.2			1-3	•1			•	٠ (•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	13	• 5
	TOTAL	35	106	7	9	66	69	28	23	23	4	0	0	C	0	0 0)	0	0	0	0	æ	12.5			TOTAL	69	3	Œ	227	1 4	9 0	80	50	35	40	11	2	2	7	0	0	0	0	0	•	19	•
	48+	•	•		•		*		•	•	•	•					•	•	•	•	•	-	*			48+	•	0					•	•	•	•	•	*	٥	•	•	•		•	0	•	4	1
	34-47	•	•	•	• 1			-	٠,	.2	•	•					•	•	•	•	•	36	.7			34-47	•			-	• •			7.	•	•		7.	*	*	•	•	•	•	•	•	72	1.3
v	22-33	•	•		4.	۰	•		• 5	•1	*	•		0				•			•	4	5.6			22-33						•		•		.	•	*		0		•	•		•	•		•
			.7		•					*	*	•									٠	2	5.9	-		11-21		•	•		•	•		7.			•								•	• (•
	4-10	•	1.2	•				•		*	•						•	•	•	•	•	176	•		•	4-10			•	•				• (•				•					•	0,0	• •	344	•
	1-3	7	*			•								•					•		•	7				1-3	4	.1						•											•			
	HGT	-	1-2	•		-	9		77	3-1	7-1	ı	3-2	6-9	3-4	7-1		0 .	-	1-8	+		CT		- (HCH		•		2-6	7	· Ì	` [2 5	77	1 1	1	7-0	ı	6-3	3.4	1 - 4	9-6	-	1-8	8	-	ပ

ABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

	MEA					_	_			
	TOTAL	2673	1692	166	419	164	70	717	6732	100.0
	87+	•	•	•	0	•	?	?	0	•
	71-86	•	•	•	•	•	•	•	0	0
	12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	•	•	•	•	•	•	•		•
	09-64	•	•	•	•	•	•	•	0	•
<u>`</u>	41-48	•	•	•	•	o.	o	•	0	0
ATE HELDE OF A TAKE PERIOD (SECONDS)	33-40	•	•	*	•	•	•	•	-	*
	26-32	•	*	•	*		*	•	12	.2
A V E V E	23-25	0.	*	٦.	*	-	*	•	15	.2
	20-22	•	7.	•5	•	*	•	•	33	5
	17-19	*		4.	•5	7.	*	•	65	1.0
	13-16	4.	æ	1.8	6.	4.	~	Ö	312	4.6
	12	•5	1:1	1.0	'n	4	~	#		3.5
TENCENT THE CENT OF A	8-9 10-11	.7	2.1	1.8	<u>«</u>	5.		*	408	6.1
		2.1								
	7	3.8	5.3	3.1	1.1	ů	-	*	927	13.8
	9-6	7.9	6.7	2.5	•	.2	*	7	1228	18.2
	3-4	14.0	4.8	1.4	m.	7.	•	.2	1396	20.7
	1-2	0.6	1:1	'n	*	o	o	7	722	10.7
	₽	1.5	*	0	0	•	•	10.2	788	11.7
	PERIOD (SEC)	9	7-9	6-8	10-11	12-13	>13	INDET	TOTAL	PCT

PERIOD: (PRIMARY) 1955-1970 (OVER-ALL) 1905-1970

PRESSURE (MB)

GE BY HOUR (GMI) OD 1200 1500 1800 2100 MEAN GBS MAX YEAR D O7 1004 1004 1002 1006 1009 948 1038 1960 2 O4 1004 1005 1002 1006 1003 948 1038 1960 2 O9 1010 1006 1010 1009 1011 1244 1967 1 O6 1012 1007 1010 1009 1011 1244 1040 1965 1 O8 1017 1018 1017 1018 1017 2453 1034 1961 2 O8 1007 1008 1001 1001 1007 1717 1036 1951 0 O8 1007 1008 1004 1001 1004 1283 1038 1957 0 O9 1009 1010 1009 1010 1004 1283 1038 1957 0 O9 1009 1010 1009 1010 1009 16845																
AVERAGE BY HUUR (GMT) 0000 0300 0600 0900 1200 1500 1800 2100 MEAN LBS MAX YEAR DA HR MIN YEAR 1004 1012 1004 1007 1004 1006 1002 1006 1004 1113 1047 1962 16 00 958 1965 1003 1004 1011 1009 1010 1008 1011 1009 1010 1009 1011 1244 1967 12 12 974 1965 1011 1009 1011 1009 1011 1244 1967 12 12 974 1965 1012 1012 1012 1011 1013 1011 1011 1011		ď	90	18	90	12	00	90	90	00	90	18	90	18		
AVERAGE BY HUUR (GMT) 0000 0300 0600 0900 1200 1500 1800 2100 MEAN GBS MAX YEAR DA HR MIN 1004 1012 1004 1007 1004 1004 1002 1006 1003 948 1038 1960 27 00 966 1003 1004 1001 1000 1010 1006 1010 1009 1011 1244 1047 1962 16 00 966 1010 1008 1011 1000 1010 1000 1010 1009 1011 1244 1040 1967 12 12 974 1011 1009 1011 1006 1012 1007 1010 1009 1011 1244 1040 1965 14 00 966 1012 1012 1012 1011 1013 1011 1011 1011		DA	1 8	ö	90	0	02	60	Ξ	07	18	15	19	21	i	
AVERAGE BY HOUR (GMI) TOTAL TOTAL TOTAL TOTAL TOTAL MAX YEAR DA HR 1004 1012 1004 1007 1004 1005 1006 1006 1019 948 1038 1960 27 00 1003 1004 1004 1007 1004 1005 1002 1006 1003 948 1038 1960 27 00 1010 1008 1011 1009 1010 1006 1010 1009 1011 1244 1040 1965 14 00 1011 1009 1011 1013 1011 1011 1011 1011		YEAR	1965	1964	1965	1958	1965	1963	1942	1967	1967	1963	1968	1963		
AVERAGE BY HUUR (GMI) 0000 0300 0600 0900 1200 1500 1800 2100 MEAN GBS MAX YEAR D 1004 1012 1004 1007 1004 1004 1002 1006 1009 948 1038 1960 2 1010 1008 1011 1009 1010 1006 1010 1009 1011 1244 1967 1 1011 1009 1011 1013 1011 1011 1011 1011	ES	Z	958	960	974	996	975	982	992	186	973	696	996	960		
AVERAGE BY HUUR (GMI) 0000 0300 0600 0900 1200 1500 1800 2100 MEAN GBS MAX YEAR D 1004 1012 1004 1007 1004 1004 1002 1006 1009 948 1038 1960 2 1010 1008 1011 1009 1010 1006 1010 1009 1011 1244 1967 1 1011 1009 1011 1013 1011 1011 1011 1011	TRE	¥.	00	00	12	00	00	00	12	18	00	00	12	12		
AVERAGE BY HUUR (GMT) 0000 0300 0600 0900 1200 1500 1800 2100 MEAN GBS MAX 1004 1012 1004 1007 1004 1004 1002 1006 1009 1113 1047 1003 1004 1001 1009 1010 1006 1010 1005 1010 1238 1044 1010 1009 1011 1009 1010 1009 1011 1010 124 1049 1012 1012 1012 1011 1013 1011 1011 1011	ж ш	DA	16	27	12	14	51	27	3	18	02	02	13	56		
AVERAGE BY HOUR (GMT) 0000 0300 0600 0900 1200 1500 1800 2100 MEAN GBS 1004 1012 1004 1007 1004 1005 1002 1006 1003 948 1 1010 1008 1011 1009 1010 1006 1010 1009 1011 1244 1 1012 1012 1012 1011 1013 1011 1011 1011		YEAR	1962	1960	1967	1965	1964	1961	1961	1947	1952	1957	1950	1951		
AVERAGE BY HUUR (GMI) 0000 0300 0600 0900 1200 1500 1800 2100 MEAN 1004 1012 1004 1007 1004 1004 1002 1006 1004 1003 1004 1001 1009 1010 1005 1010 1009 1011 1009 1011 1009 1010 1009 1011 1012 1012 1012 1011 1013 1011 1011 1011 1014 1017 1016 1018 1017 1018 1017 1018 1019 1010 1009 1007 1008 1011 1011 1011 1019 1010 1009 1007 1008 1017 1018 1017 1019 1010 1009 1007 1008 1007 1009 1007 1011 1008 1008 1007 1008 1007 1004 1009 1011 1009 1010 1009 1010 1009 1009 1011 1009 1010 1009 1010 1009 1009 1011 1009 1010 1009 1010 1009 1009 1011 1009 1010 1009 1010 1009 1		MAX	1047	1038	1044	1040	1039	1034	1036	1037	1036	1038	1051	1043		
AVERAGE BY HUUR (GMT) 0000 0300 0600 0900 1200 1500 1800 2100 1003 1004 10012 1004 1007 1004 1005 1002 1006 1010 1003 1001 1009 1011 1001 1005 1005 1006 1011 1012 1012 1012 1012 1010 1009 1011 1013 1011 1011 1011 1011		TOTAL	1113	846	1238	1244	1658	1386	2453	1834	1717	1283	666	972	16845	
AVERAGE BY HOUR (GMI) 0000 0300 0600 0900 1200 1500 1800 1003 1004 1004 1007 1004 1004 1002 1003 1003 1003 1003 1003 1003 1003		MEAN	1004	1003	1010	101	1012	101	1017	1013	1001	1004	1004	1000	1009	
AVERAGE BY HUUR (GMI) 0000 0300 0600 0900 1200 1500 1 1004 1012 1004 1007 1004 1004 1 1003 1004 1004 1007 1004 1005 1 1010 1008 1011 1009 1010 1005 1 1012 1010 1010 1010 1012 1017 1 1012 1010 1010 1019 1011 1018 1 1014 1017 1016 1018 1017 1018 1 1019 1011 1008 1008 1007 1008 1 1004 999 1004 1003 1007 1008 1 1005 1008 1004 1003 1007 1008 1 1005 1008 1009 1010 1009 1010 1 1009 1010 1009 1010 1009 1010 1		2100	1006	1006	1005	1009	1009	101	1018	1014	1010	1001	1003	266	1010	592
AVERAGE BY HOUR 0000 0300 0600 0900 1200 1 1004 1012 1004 1007 1004 1 1010 1008 1011 1009 1010 1 1012 1012 1012 1011 1016 1012 1 1012 1010 1010 1010 1011 1013 1 1012 1010 1010 1010 1011 1013 1 1014 1015 1016 1018 1017 1 1007 1011 1008 1004 1007 1 1006 1008 1004 1002 1004 1 1001 1019 1010 1010 1010 1010 1010 1	~	1800	1002	1002	1010	1010	101	1011	1017	1013	1008	1004	1004	666	1009	3765
AVERAGE BY 0000 0300 0600 0900 12 1004 1012 1004 1007 10 1010 1008 1011 1009 10 1012 1012 1012 1011 1006 10 1012 1012 1012 1011 1016 1016 1016 1016		1500	1004	1005	1006	1001	1011	1008	1018	1014	1008	866	1001	766	1010	433
AVERAGE 0000 0300 0600 0900 1004 1012 1004 1007 1003 1004 1001 1009 1011 1009 1011 1009 1012 1012 1012 1011 1012 1012 1010 1019 1016 1017 1016 1018 1007 1011 1008 1008 1004 999 1004 1002 1005 1008 1004 1003 1005 1009 1010 1007 1011 1008 1008		1200	1004	1004	1010	1012	1013	101	1017	1012	1007	1004	1003	1001	1009	3340
0000 0300 060 1004 1012 100 1003 1004 100 1010 1008 101 1012 1012 101 1012 1010 101 1014 1010 101 1007 1011 100 1009 100 1009 100 1009 100	y C	0060	1001	1004	1009	1006	1011	1009	1018	1013	1008	1002	1003	266	1010	432
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A	0090	1004	1004	101	101	1012	1010	1016	1013	1008	1004	1004	1000	1009	3846
•		0300	1012	1004	1008	1009	1012	1010	1017	1016	101	666	1008	266	101	390
D NO S C T P O C C P O D O C C P O D O C C P O D O C C D O C C D O C C D O C C D O C C D O C C D O C C D O C C D O C C D O C C D O C C D O C C D O C C D O C C D O C C D O C C D O C		0000	1004	1003	1010	1011	1012	1012	1016	1013	1001	1004	1005	1001	1009	4047
		Ð	NAC	FEB	Z Z	APR	HAY	200	בר ה	AUG	SEP	0 C1	2	DEC	NNA	085

*

	% 66	9 6	60	1035	60	600	9 6	60	60	03
	95%	03	60	1031	02	200	00	02	02	02
ILES	75%	010	05	1019	10	200	50	10	10	8
ERCENTILE	50%	00	6	1011	5	50	10	0	00	0
ā	25%	992	8	1005	00	200	88	ō	9	0
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	1%	964	7	984	00	> a	~	~	•	Ō
	2	LAN	MAR	M A A	NO.	70C	SEP	0CT	> 0 2	0EC

BOR		TOTAL OBS	158	124	123	108	101	130	68	40	109	82	103	06	0	12	1800	0
DUTCH HARBOR 165-1724		IENA ND SIG	2.5	9	4.2	4 v	3.8	5.1	5.9	6	n -	3.7	4.3	3.4	•	5	~	10.8
		ATHER PHENDMENA (E DUST ND TC (E BLWG DUST SIG C	000	? •	•	00	:	•	0	•	• •	? -	•	•	0	•	7	
0008 -55N	N S	THER DOUGH			r,	•										,		
AREA 51-	DIRECTION	CMOK	000		•	::	•	•	o	•	•	•	•	•	•	•	~	•
	MIND DI	FOG HE	: 0:	::	.	6 L	4.	9.	7.	∵	: -	7	7.	.2	•	Τ.	65	3.6
	8	THOR	000		•	• •	0	•	•	0	•	•	•	•	•	•	0	•
_	OCCURRENCE	TOTAL PCPN OBS	25 22 20 20	12	64	25	54	27	75	57	2 F 4	01	23	54	0	-	456	
TABLE	WEATHER	CT FREQ PCPN AT OB TIME	75.7	• •	•	2.9	•	•	۲.	1 00	7 - 6	•	1.3	•	•	•1		25.3
	NCY DF	HAIL PO	0.1.	•	•	•	•	•	•	·	• •	: :	•	•	•	•	ထ	4.
	FREQUENCY	TYPE THER FRZN PCPN	-:0-	0	o c		•	•	•	• ·	•	•	•	-:	•	•	m	.2
	NTAGE	SNOW	2.8	4	·† u	٠,	•5	ų,	٧,	•	9	٠.	1.2	1.1	•	•	245	13.6
	PERCEN	RECIPIT FRZG PCPN	000	•	0	. 0	•	0	0,0	•	•	0	•	•	•	•	7	7.
		PI DRZL	71.5	7		. •		4.	7 -	•	. ~		•	-:	•		4	4.7
-1970 -1970		RAIN	000	: :		7.7		0.		: -	:-		0	Τ.	•	•	15	φ.
1944-1970) 1951-1970		RAIN	220		1:1	1.4	5.	6			1 4	0		• 1	•	•	121	•
(PRIMARY) (OVER-ALL)		WND DIR	Z Z Z	ENE		SE	SSE	S	300	¥ 3	E 3	323	Z	37.2	VAR	CALM	TOT OBS	ပ
PER 1 00 :																		

TABLE 2

y v

	TOTAL OBS	504	450	446	414	1814	100.0
	TENA NO SIG WEA	4.69	70.9	74.0	9.69	1287	4.07
	OTHER WEATHER PHENOMENA FOC SMOKE DUST NO WO HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	•	•2	•2	•	2	•1
JUR	ER WEAT SMOKE HAZE	.2	~	•	•	7	7
BY	FOC N	4.8	2.2	2.7	4.6	65	3.6
CURRENCE	THDR	•	•	•	•	0	•
ATHER OC	TOTAL PCPN DBS	129					
PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR	MAIL PCT FREG PCPN AT OB TIME	25.6	26.4	23.1	25.8		25.2
FREQUE	HAIL	•	.7	.7	5.	0	4.
NTAGE	SNOW OTHER H	.2					• 5
PERCEI	SNOW	15.5	14.0	10.3	14.3	246	13.6
	PRECIPITA L FRZG S PCPN	•	•5	• 5	•	7	
	DRZL	4.8	4.4	3.8	2.6	98	4.6
	SHWR	•	6.	٥.	7.0	15	Φ.
	RAIN	5.2	7.6	8.5	5.B	122	6.7
	HOUR (CMT)	60300	60390	12615	18621	T0T	PCT

2

		21	01 04 04 04 04 04 04 04 04 04 04		
8 0 R		18	1 4 4 4 4 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4	21	40000000000
H HAR-172W		15	- 4 พ พ พ ๑ ษ พ พ พ พ พ ๑ ๖ ๚ ๗ ៷	60	9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
0UTC)		(GMT) 12		in.	14. 12. 12. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10
1 0006 -55N		HGUR 09	0000044440 000004400404640000	4	211.
AREA		90	040 40404040404040404040404040404040404	(GMT)	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	HOUR	60	0.0004444444444444444444444444444444444	RUCH 09	11111111111111111111111111111111111111
	AND BY	0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	90	15.2 15.4 15.6 10.8 10.8 10.4 10.4 10.4 10.0
	SPEED			03	100 01 00 00
	Y8 NC			00	00.001111100 00.001111100 00.00011100 00.0001100
m	IRECTIC	MEAN		V E	1
TABLE	NINO	PCT REQ		TABLE Ean SPD	4 M W O W M O W O O O O
	Y OF	AL S	04 04 04 04 04 04 04 04 04 04 04 04 04 0	£ ⊢ 0	
	EQUENC	T0T 08	N 4 44844 40 80 80 80 80 80 80 80 80 80 80 80 80 80	ص بر ح- هر	100 10000000000000000000000000000000000
	T.	484	1000017000+77+++0 40	TOTAL OBS	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	RCENTAG	34-47	10 0	41+	N W-14440
970 970	PE	ED (KNOT 22-33	0 1001111111111 0 1 0 1 0 1 0 1 0 1 0 1	(KNDTS) 28-40	01400141 48 00140040 00
1944-1		IND SPE 11-21	44000000000000000000000000000000000000	SPEED 17-27	44444444 L4
MARY) R-ALL)		1-10	20	WIND 7-16	$\begin{matrix} u\\ u\\ d\\ d\\$
(PRI (OVE		, j	1 0 0 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	9-0	
PERIOD		WND ON	TO SO	WND DIR	CONTRACTOR NO SERVING

													TOTAL OBS	126	51	7.8	57	06	٠ ر ر	11. 68.	107	S	69	Ġ.	176	0 1) c	80		143	ċ
8 0										>4/8)			NH <5/8	•	•	•	•	•	•	• •	2.8	•		•	•	•	•	0	• •	4 0	•
HARB 724										(FT.NH >	NOI		+600		•	•	•	0	∹ '		•		•					•	0	5 0 (ņ
DUTCH 165-1											DIRECTI		6500 B	.1	•	•	0	નું ·	:-	: -	•	°.	•	•	-••	•	•	•	o.	Φ.	•
1-55N										G HEIGHTS	ONIM		5000	•1	7	•	o .		• •	9 0	•	٠,	0	•	~	•	? -	•	•	Ξ,	.
ARE 5		A L S	44	. 20	15	8				CEILING	5/8 BY		3500 4999			-1			• -	:-		•	٦,	•	-: (•		0	0	£ .	Les
	~	TCT 08	Φĸ	, rv	5	67			LE 6	P	NH N		2000	2.5	•	1.2	•	0.1	•	•	4	9.	i,		0.1			•	• 0	, c	•
	(GMT)	PCT	100.0	00	ö		1001		TABI	FREQUENCY	NCE OF		1999	•	1.0	•	•	•	•	• •	1.7	•	•	•	m -	• •	• •	0	• •	9	•
	Y HOUR	MEAN	19.4	6	8	Ď				AGE FR	CURRENC		666	1.5	4.	•	•	•	•	• •	1.0		•	0.1	•		• •	0	• (238	•
4	PEED B	CALM	1.1	•	• (•	٠,1			RCENTA	AND OC		399								4						} [0	0;	D 4	7.00
TABLE	S QNIM	(NDTS)	ທ໌ເບ			9 1	•	•		G			150	٠.	•	•	Ţ.	-:	7.	,,	0	•	۰.		ς.		? C	•	0;	-	1.1
	P	EED (K	10.2	8.9	6.7	* 4	•						0 6	.7	•2		0	: o	•	• •		٠.	٠,	.		ĵ -	• 16	0	• (90	*
	FREQUENCY	WIND SP 22-33 3	28.4	8	7.	0 1	•						0-							•	7								•	→	_
	RCENTAGE	11-2;	34.9	9	5	\$ D 4	•			EIGHTHS)		MEA	LOUD		•	•	•	•	•		6.1	•	•	•	•		•		3.2	•	
	PER	4-10	22.5	2	5	7	,			~	7		TAL C	126	21	78	\ 0	2 2	100	4 00	107	S	6 6	7 (940	2.2	80	0		7	
		1-3	2.3		• <	•	7.7		ın	CLOUD AMOUNT	DIRECTION		101	60	w.	.	* () K	١ ،	0	€	w.	* (D (1	. 0	0	0	4	ם ת	→
4-1970 1-1970		HOUR	6030	13	25		5		TABLE		WIND DIR		7 8 6 0850	m	(?	→ 、	* <		'n	m	، بہ	- (u (J -		7	•	4		7
194		Ī	ŏŏ	7	-					TOTAL	BY WI		₽,	m.		2.	÷.	÷.	-	-	2.	.	, v	,	• ^	2	2	•	• 14	* 6	00
IMARY) ER-ALL										EQ 0F			3-4	9	r, c) «	4	5.	4.	•	•	3.0	•	•	c.	• 0	127	,
: (0V										CT FR			0-2	•		•								•				0		<u> </u>	•
PERIOD										ā.			WND DIR	Z	W 1	2 :	N N	ה ה ה	1 C C	SSE	s	SSE	3 3	E 7 :	3 2 3	3	Z	VAR	- C		

1944-1970	1901-1970
(PRIMARY)	COVER-ALL
PERIODI	

AREA 0008 DUTCH HARBOR 51-55N 165-172W TABLE 7

CUMULATIVE PCT FREG OF SIMULTANEDUS OCCURRENCE

CARENCE	DF CEILING HEIGHT (NH >4/8) AND VSBY (NM)	
2000	VSBY	
	AND	
TOP TO	>4/8)	
5	IN.	
704	HE I GHT	
7 2 2 7 -	EILING	
はいのこの	7	

	■ OR	?	1.0	1.7	9.0	15.7	39.9	56.4	59.1	60.2	67.8	977
	# OR	>50YD	1.0	1.7	3.0	15.7	39.9	56.4	59.1	60.2	67.7	916
	• 0R	>1/4	1.0	1.7	3.0	15.7	39.9	56.4	59.1	60.2	6.99	965
_	* 0R	>1/5	6.	1.7	5.9	15.6	39.8	56.1	58.7	59.5	65.5	945
VSBY (NM	* O.	7	₩.	1.6	2.8	15.3	39.1	54.9	57.4	58.1	63.2	912
	■ 80	>5	80	1.6	2.7	15.2	37.8	52.1	54.2	54.9	58.9	850
		> 5	ω.	1.5	5.6	13.9	34.0	44.6	46.1	46.7	49.7	717
	* OR	>10	5	6.	1.7	7.9	18.5	23.4	24.1	24.3	24.8	357
	CEILING	(FEET)		•	•	•	,,	■ OR >600	•	•	•	TOTAL

1

*

PCT FREQ NH <5/8: 1445 TOTAL NUMBER OF OBS:

32.2

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS) TABLE 7A

7.0 13.7 10.7 29.9 6.9 1519 FOTAL 8 OBSCD OBS ç 80 8.2 3,2 0

7.0

9.5

3.8

PAGE 162

	PCT	2.1.5	2.0 9.5 5.5	5.12	13.3	9.2 25.7 34.9	37.7	100.0
	TOTAL	23 46 46	36 27 63	76 27 103	122 118 240	166 465 631	44 683 727	1810 1
	CALM T	11.0	•••	000	11.2	000	ono	13
DUTCH HARBOR 165-172W Tation	VAR	000	000	000	000	000	000	00
DUTCH 165-17 TATION	N N	•••	5.1.5	5.1.6	4.2.1	1.2	2.2	92
0008 DUTCH -55N 165-17 PRECIPITATION	ž	1.0	101	4 9 9	4.6.4	1.0	2.4	103
AREA 51 OF	2		100	101	4.40	1.0	2.7	4.5
URRENC	æ 	-01		£.1.	4.4.5	1.1 3.1 77	5.4	208
NON DCC	VISIBILITY SW WSW W	- ·	1.0	4.4	1.4.0	1.3	3.4	109
_	ш,	iiw	.01	4.14	4.60	1.1	2.2	4.7
ABLE 8 Occurrence	/ALUES SSW	51.0	.1.2	NO.W	999	1.2	1.6	3.8
		-4.0		4.00	4.50	53	2.4	130
	_	0.1.1	. w. æ	61.	W 4 4	1.8	1.5	101
ND DIREC	SE	400	1.1.4	15.36	1.2	1.0	1.9	166
OF WIND	ESE	w - ∞	wina	11	19.	1.1	1.3	108
T FREQ	w	4.4	61.1	13.0	55.0	1.6	1.9	123
PERCENT	E NE	000	000	000	1.12	1.2	1.8	3.7
1944-1970 1901-1970	M Z	-0-1	4-10	6 1 8	\$ 6. Z	1.3	2.3	124
	N N	101	000		£ 60	1.0	1.2	3.7
(PRIMARY) (OVER-ALL)	z	6.1.2	44.	400	1.2	1 . 1 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 .	2.6 44	164
PERIODI (PR		PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PER	Y887	<1/2	1/2<1	142	2<5	5<10	10+	

		PCT	44.0	2.8		46.004	4447	12.00 9.00 9.00 1.00	12.0	100.0
		TOTAL		119	4 4 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	12 36 67 116	100 100 100 100 100 100 100 100 100 100	160 274 309 764	2014 2017 2017 2017	2285
~		CALM	••	7	• •	* -	5 4	ý. 4	1.0	33
HARBOR 72W		VAR			00000	00000	00000	00000	00000	00
В 165-17		Z			0 # 0 % %	0# •	0 # # 4 4	0 4 4 4 6	* - 0 0 -	114
0008 N 75 N		Z	o, * *	0,0	•••	0*9	* 14 % 7	* 4 1 20 4	00794	134
AREA 51-	٥	Z	o * *	0,0	00#4#	00##N	01#41	* 44.00	1.00	106
	ID SPEE TY	3	000		0 # 0 m r	0#-128	0 - 4 4 8	1.2	12.05#	244
	VS WIN SIBILI	MSM	o * *	+ m	000#-	00000	02122	0 4 4 6 4	11.0	129
	CTION OF VI	NS	o. # -	c m	0 # 00 -	ó##44	00#01	04004	1.0.1	121 5.3
Ф	ND DIRE	SS	* 0 *	0 0	00##0	0 # 0 - 1 #	6*:40	0 4 4 7 1	2.00	4.2
TABLE	OF WI	v	0.1.	::•	0#04W	00-40	0 # # 4 4	3,000	1	151
	FREG ITH VA	SSE	o # c	* ~	0.444.0	0# - 0.00	01040	00187		120
	PERCENT	SE	000	11.	00444	0 * 0 4 9	* " 4	1.00	7.000	202
	a .	ESE	00#	- m° co	0###0	11.221	2.1.2	# W L L 4	* 4 C @ W	139 6.1
		w	00-	4	7#200	00,44	# 1.0 4 W	-400M	517	154
		ENE	000	00	00000	00000	00-1#	* 4.0 10.01	0.0.1.44	3.5
4-1970		Ä	000	* →		00000	04440	1.65.1		152
194		NN	••*	0,11	00000	00#-1	0 * 7 7 9	04740	0 ~ m m	3.6
(PRIMARY) (OVER-ALL)		z	977	::•	0	04440	181.08	79.00.00	10.00	230
		SPD	0-3 4-10 11-21	■ ■	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL PCT
PERIGO		<sb≺ (NH)</sb≺ 	<1/2		1/2<1	142	\$	5<10	100	

									AND/OR	TOTAL GBS	407	348	351	336	1442
DUTCH HARBOR 165-172W		TOTAL GBS	604	354	362	337	1462		VSBY (NM)	NH <5/8 AND 5+	29.0	27.3	35.0	31.8	443
		NH <5/8 T ANY HGT	30.1	31.6	38.7	32.3	484 33.1	12	OF RANGES OF VSBY (FEET, NH >4/8), BY	1000+ AND5+	36.1	34.5	31.9	32.7	489
AREA 0008 51-55N	AND		σ.		•	2		TABLE	JF RAN (FEET,	<1000	34.9	38.2	33.0	35.4	510
	>4/8), AND	TOTAL	69	4.89	61.3	67.7	978 66.9	·		<600 <1	10.1	15.8	12.5	14.6	189
	NCY OF CEILING HEIGHTS (FEET, NH CCURRENCE OF NH <5/8 BY HOUR	8000+	• 5	80	°.	€.	in m		CUMULATIVE PCT FREQ CEILING HGT	<150 <50YD	5.5	9.9	7.4	9.2	112
	1TS (F	6500	1.2	9.	•	•	0.0		HULATI	HOUR (GMT)	60300	60390	12615	18221	T0T
10	G HE I GF NH <5/8	2000	• 5	•	1.7	9.	11		Ď	#5	ŏ	ŏ	17	16	- 4
TABLE	CEILIN CE OF	3500	1.0	2.5	•	6.	18								
	CY OF CURREN	2000	14.9	12.1	11.3	11.3	183			TOTAL 085	407	348	351	336	1442
	FREQUENCY OF OCCURREN	1999	24.0	25.4	21.0	25.5	350		BY HOUR	10+	53.8	46.3	6.64	48.2	719
	Z	666	19.4	13.6	14.6	16.6	238		(NM)	5<10	28.0	59.9	31.1	33.9	441
	PERCI	300	2.2	2.8	3.0	2.4	38	TABLE 11		2<5	6.9	12.4	9.1	8.6	146
		150	1.5	9.	1.4	6.	16	TAE	FREQUENCY VSBY						
22		000	6.4	6.6	7.2	9.5	110			1<2	3.2	6.3	5.7	3.9	4.7
1944-1970 1901-1970		HOUR (GMT)	€0300	60390	12515	18621	T07 PCT		PERCENT	1/2<1	3.2	3.	1.4	1.8	35
		무0	00	90	12	18	⊢ a			<1/1>	2,5	1.4	2.8	5.4	33
(PRIMARY)										HDUR (GMT)	60300	60390	12615	18621	T0T PCT
PERIODI															

			Z	•	• 2	6	3.2	4.1	20	1.2	u	163	11.4
			F R E O	.1	2.7	20.6	48.7	17.6	6.7	3.2			
		1016	088	-	38	295	969	252	96	46	2	1429	
		TEMP	90-100	0.	4.	10.2	20.1	5.9	3.9	1.5	•	605	45.3
		PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100	•	ۍ د	5.1	13.2	5.5	6.	6.	.1	380	56.6
		HUMID	70-79	.1		5.4	0.6	3.8	80	9.	•	549	17.4
	TABLE 13	LATIVE	69-09	•	• 1	2.0	0.0	1.3	1.0	٦.	•	137	9.6
-1970	4.4	OF RE	50-59	•	5.	£.	1.3	€.	٦.	0	°	45	3.1
1944-1970 1901-1970		QUENCY	65-05	•		e.		6	•	°	•	Ľ	6.
HARY)		INT FRE	30-39	•	·	۰.	•	•	٥.	•	۰.	0	0.
PERIOD: (PRIMARY) (OVER-ALL)		PERCE	0-29	•	•	•	လိ	•	•	°.	•	0	•
PERIO			TEMP C	50/34	45/49	40/04	35/39	30/34	25/29	20/24	15/19	TOTAL	PCT

CALM

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TABLE 14

AREA 0008 DUTCH HARBOR 51-55N 165-172W

JANUARY

22...9

3.67 7.27 7.27 7.00 10.01

100 mm 4 4 m 00 m V

			TABLE 15	61									TABLE 16	16			
ME ANS,	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) B'	S AND	PERCEN	TILES	OF TEN	4P (DE	G F) B	1Y HOUR		PERCEN	T FREQU	PERCENT FREQUENCY OF	RELATI	VE HUMI	RELATIVE HUMIDITY BY	HOUR	
MAX	*66	95%	20%	5%	1%	Z H H	MEAN	TOTAL	HOUR	0-29	30-59	69-09	40-79	80-89	90-100	MEAN	TOTAL
51	8 4	43	37	25	18	12	36.0	640	00000	•	3.8	0.6	17.8	25.8	17.8 25.8 43.8	85	400
25	94	43	36	23	19	12	35.2	589	60390	0		9.8	16.6	25.5	44.9		385
40	7.7	45	37	97	20	91	35.6	520	12615	•		14.6	19.3	28.9	32.5		301
20	47	43	36	54	19	13	35.2	548	18821	•		6.9	16.1	27.0	46.0		348
55	40	43	37	25	19	12	35.5	2297	T0T	0		137	249	382	607		1434

HDUR (GMT) 00503 06609 12615 19621

	51-55N 165-172W
	TABLE 17
PERIOD: (PRIMARY) 1944-1970	(OVER-ALL) 1901-1970

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

•

2	F0G		•		1.5	1.0	2.2	5.8	4.7	9.6	10.0	10.4	7.9	9.1	7.3	5.6	7.7	2.0	3.1	2.1	1.8	.7	4.	1465	96.0
*	FDG	•	۲.	7.	6	•	7,	•	.2	5	6	4.	2.	9	7	۲.	۲.	0	°.	9	•	•	7	61	0.4
TOT		7	80	٥	27	25	35	100	74	154	157	164	124	129	113	86	119	76	48	32	27	10	7	1526	100.0
64	25	•	•	•	•	•	٠.	.2	.1	•	•	•	•	•	•	٥.	Ų	•	•	•	0	•	•	9	4.
45	84		w.	.2	6	7.	•	-:	•	7.	•	•	•	•	•	•	•	•	•	•	•	•	•	18	1.2
37	04	• 1	7.	• 5	• 2		٠,	5.6	3.7	8.3	7.1	5.9	u ũ	2.2	1.4	1.1	9.	7.	•	•	•	?	•	571	37.4
33	36	•	•	•	•	•	•	e,	۲.	٠.	2.5	4.0	4.5	5.6	4.7	3.1	3.1	1.0	r,	0	•	•	•	452	29.6
58	35	•	•	•	•	•	•	•	•	•	•		•	• 5	1.0	1.0	5.9	2.1	.7	e.	•	•	•	134	8.8
25	28	•	•	•	o	•	•	•	•	•		ď.	•	0	ů.	4.	•	1.5	1.9	1.0	• 5		•	102	4.9
2.1	54	•	•	•	•	•	•	•	•	0.	•	•	•	•	•	•	۳.	.	7	ω.	1.0	7		41	2.7
17	20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	7	•	4	• 5		13	6
13	16	0	•	o.	c.	o	•	•	•	•	•	o.	•	•	9	•	o.	•	•	•	.2		∹	^	٠.
60	12	•	Ċ	•	•	.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		7	
•		9/10	1/8	ø	S	<	m	7	-	0	7	-2	6	4	-5	9-	-1/-	-6/-10	-11/-13	-14/-16	-17/-19	-20/-22	-23/-25	TDTAL	PCT
	-SEA 09 13 17 21 25 29 33 37 41 45 49 TDT W	41 45 49 TDT W 44 48 52 FDG	-SEA 09 13 17 21 25 29 33 37 41 45 49 TOT W OIF 12 16 20 24 28 32 36 40 44 48 52 FDG	-SEA 09 13 17 21 25 29 33 37 41 45 49 TOT W DIF 12 16 20 24 28 32 36 40 44 48 52 FDG	-SEA 09 13 17 21 25 29 33 37 41 45 49 TOT W DIF 12 16 20 24 28 32 36 40 44 48 52 FDG 710 .0 .0 .0 .0 .0 .0 .1 .0 .1 .0 .1 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	OIF 12 16 20 24 28 32 36 40 44 48 52 FDG FDG 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OIF 12 16 20 24 28 32 36 40 44 48 52 FDG FDG	OIF 12 16 20 24 28 32 36 40 44 48 52 FDG FDG (10 .00 .00 .00 .00 .00 .00 .10 .10 .10 .	OIF 12 16 20 24 28 32 36 40 44 48 52 FDG FDG	-SEA 09 13 17 21 25 29 33 37 41 45 49 TOT W OIF 12 16 20 24 28 32 36 40 44 48 52 FG /10 .0 .0 .0 .0 .0 .0 .0 .1 .1 .3 .0 .1 .6 .5 .2 .0 .0 .0 .0 .0 .0 .1 .1 .3 .0 .1 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	OIF 12 16 20 24 28 32 36 40 44 48 52 FDG FDG	OIF 12 16 20 24 28 32 36 40 44 48 52 FDG FDG	OIF 12 16 20 24 28 33 37 41 45 49 TOT W OIF 12 16 20 24 28 32 36 40 44 48 52 FG 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OIF 12 16 20 24 28 32 36 40 44 48 52 FDG FDG	OIF 12 16 20 24 28 33 37 41 45 49 TOT W OIF 12 16 20 24 28 32 36 40 44 48 52 FGG 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PIEA 09 13 17 21 25 29 33 37 41 45 49 TOT W 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PIEA 09 13 17 21 25 29 33 37 41 45 49 TOT W 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AND THE TOTAL TOTA	-SEA 09 13 17 21 25 29 33 37 41 45 49 TOT W OIF 12 16 20 24 28 32 36 40 44 48 52 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-SEA 09 13 17 21 25 29 33 37 41 45 49 TDT W OIF 12 16 20 24 28 32 36 40 44 48 52 FDG 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-SEA 09 13 17 21 25 29 33 37 41 45 49 TOT W 10	-SEA 09 13 17 21 25 29 33 37 41 45 49 TOT W 10	-SEA 09 13 17 21 25 29 33 37 41 45 49 TOT W OIF 12 16 20 24 28 32 36 40 44 48 52 TOT W 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-SEA 09 13 17 21 25 29 33 37 41 45 49 TDT W 10 10 10 10 10 10 10 10 10 10 10 10 10 1	-SEA 09 13 17 21 25 29 33 37 41 45 49 40 44 18 52 12 2 2 2 3 3 40 44 48 52 12 2 2 2 2 3 3 3 40 44 48 52 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

165-172W		TOTA	0	0	0	0	,	0	00	000	0000	0000	00000	000000	0000000	00000000	000000000	0000000000	0000000000	00000000000	000000000000	7	000000000000000000000000000000000000000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.000000000000000000000000000000000000	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	0.000000000000000000000000000000000000	0.000000000000000000000000000000000000	0.000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	00000000000000000000000000000000000000	+0000000000000000000000000000000000000	+ + + + + + + + + + + + + + + + + + +	+0000000000000000000000000000000000000
1		NE 34-4		•	•	•	•		•	• •			0400							4400000000	44000000000		. • • • • • • • • • • • • • • • • • • •		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8					w w w w w w w w w w w w w w w w w w w	w w w w w w w w w w w w w w w w w w w						w	M					mw	M		# S # S # S # S # S # S # S # S # S # S
2	SEA HELGH	11-21 22	•				٠.	٠٩.			::												,	• • • • • • • • • • • • • • • • • • •	N	1.2.1 2.00000000000000000000000000000000	2 -1 -1 -2 -1 -1 -2 -1 -1 -2 -1 -1 -2 -1 -1 -2 -	2 2 1 1 2 2 2 2 2 2 3 3 1 2 2 2 3 3 3 3	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 5 6 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	1		1 1 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1.1.1.1.1.1.1.2.2.2.2.2.2.2.2.2.2.2.2.2				1 1 11 11 12 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	1 1 11 11000000000000000000000000000000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 11 11 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
2	VERSO	4-10		4.	7.	4.	•	•																						······								- · · · · · · · · · · · · · · · · · · ·								
ABLE 18	חואברוו	1-3	•			•				•																																				
F <	۹ ۱	TOTA		-	~	-	~				~											σ.	11.900000000000000000000000000000000000	11.	9 11. ATOT	9 11. ATOT	9 •11 • ATOT	9 •11 • ATOT	9 11. 4 1	9 11. 10TAT	9 11. 10TAT	9 11. 101 A TOT A	9 11: 10TA 11:	9 11. 11.	9 11 1 1	0 11 1 1	9 11. 10. 11.	9 11 1 1	9 11. 101 1	9 11 1 1	9 11 4 TOT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 11 1 1	9 11. 1 1	9 11. 11.	9 11 4 TOT 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 11 10T TOTAL 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
9	0	48+		•	•	•	•	•			•	•				0000		00000	000000				0000000000		4	4	4	4	4	4	4	4	4	4	4	4	***************************************	4	4	4	4	4	4	***************************************	4	4
2	Z Z	34-47	•	o	°.	. 7	3	o,	٥.	e.	7.	•											000000000000000000000000000000000000000			1	1 4	1	1	4	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			4			* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	7 · · · · · · · · · · · · · · · · · · ·	1 4	, , , , , , , , , , , , , , , , , , ,	7 · · · · · · · · · · · · · · · · · · ·	4
- C	_ K	N 22-33	•							•													0000000040		3.5.2.3	3. 3. 3. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	3. 3. 22-3	22 22 32	 3 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	22		22 - 24 - 44 - 44 - 44 - 44 - 44 - 44 -	22	22 8 8	2 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2 2	20 0 0 0	20 0 0 0	20 0 0 0	20 10 10 10 10 10 10 10 10 10 10 10 10 10	N N N N N N N N N N N N N N N N N N N	2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	2 Z	20 0 0 0	N N N N N N N N N N N N N N N N N N N	2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
07		11-21		•	•	1.4	•	5.	•	•		•	•	9.		00	000	0000	00000	00000	000000	0000000	n 000000004		N	5 - 5	5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, , , , , , , , , , , , , , , , , , ,	5 1 2	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,		ν Ι απα Ν	, , , , , , , , , , , , , , , , , , ,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 444 2	1 444 2	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	,	ν	,	, , , , , , , , , , , , , , , , , , ,	η
1963-1970		4-10	9.	0.	۰.	٦.	•	6.	•	•	0,	0.	o.	•		00	000	0000	00000	00000	000000	00000000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				22	2	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7							, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,			N 1 H	N 1 H			
R-411)		1-3	•	•	•	•	•	•	•	•	•	•	o c	•	<	• •	000	0000	00000	00000	••••••	••••••	•••••••	••••••	-1																					
(OVE			-	1-2			~	9-6		12	3-1	-1	2-0	316	4-2	9-4	9-4	9-4-0	0100-	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	11111	00000000000000000000000000000000000000	PD 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PDB11900000000000000000000000000000000000	H	AH POT HA POT	DA + 8 1 6 4 4 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00100000000000000000000000000000000000	DOULD TO THE TO	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00 040 T T T T T T T T T T T T T T T T T	01-4 - 1	001-41-100 TO 100 100 100 100 100 100 100 100 100 10	0440440 64440 644400	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### TO PART	044008 UMIVI DOBLE-9111	### ### ### ### ######################	1	0.440\000	Nan	1	Tole		N

	070
(PRIMARY)	10VED_A111 1043_1
PER 100:	

																								۵	TOTAL	50	_	146	2	01	7/	 	80	11	•		2 0	9	> C	0 0	o c	0	780	
HARBOR 72 W		TOTAL			5				'n) ()·	-	7	-4	4	0	0	0	0	0	-	14.1	•		TOTAL	5			24			\$ (1	n	• ന	0	۰ م	→ (o c	> 0	> C	•	•	0	6	10.3
В 165-17		487	0.	0.	ဂ့ (•	္ (•	•	0	•	0	• 1		•	•	•	•	•	٠ •	י ה	2		48+		•		•	•	o o	•		•	•	•	0.0	•	•	2 9		•	•	C	•
A 0008	FT)	SW -47	•	ó	ુ	•	o -	•	•		0.	•	•		0	•	•	•	o c	• ∢	. 7.		3	34-47		•	•	•	•	•	2 0	•	4	0	•	•	•	•	9		•	0	4	٠.
AREA 51	IGHTS (22-33		•	٠. د		4.0	•					•	•		•		o e			4.4	•		22-33		•	0.	'n.						•										
	SEA HE	11-21	•	•	0 .	•	•				0	•	•	•	•	•	•	•	0:	• 5	5.2	•		11-21	1		•		•										0					
	I VERSUS	4-10	•	•	1.8	•	-				•	•	•	•	c.	•	•	•	o c	0 a	3.5	•		4-10	'	0					•		•			•			•					
JANUARY Table 18	D DIRECTION	1-3	•		o.		•		•			•	•		•		•		o c	•	•			1-3		•	•						•						•		•	•	0	•
AL AT	(KTS) AND	TOTAL		21	æ ª	1 0	~ <	^	4	7	7	-	0	0	o	0 (0	0	o c	0 0		•		TOTAL		4					12		13	4	→ 0	1 1	- 0	.	0	0	0		•	20.3
	SPEED	48 +			•		9 0							•							•			48+		•													•				0	•
	OF WIND	34-47	•	0.	•	•	•	, m	•	5.		7	•	o o	•	•	•	•	•	• «c	1.0			34-47		•	•	•	•	•	• -	: :		.	٠ •	. י	9		•	0	•	•	13	1.6
	T FREG	S 22-33	•	o ·	. v) 4		m	4	4.	•	•	•	ુ (2 (0.0	٥	•		6	2.4		3	22-33		•			•	•									•					
70	PC	11-21	•		6.4																			11-21		•	•		•	• •									•					
1963-197		4-10	•		\$ 17			٦.				0	•								2.3			4-10	•			ָ ר	•										0					
MARY)					9 0																ů.			1-3		•													0				0	•
RIOD: (PRI		HGT	-		9 L	~	- 1	1	12	3-1	7-1	0-5	3-5	26-32	1	1 1	1	1 1	87+	•	CT			HGT	•	1,1	. (7 40	-			12	3-1	10	3-2	6-3	3-4	1-4	09-64	1-7	1-8	87+	⊢	ပ

AREA 0008 DUTCH HARBUR 51-55N 165-172W
AREA
TABLE 18 (CONT)
PERIOD: (FRIMARY) (OVER-ALL) 1963-1970

•																								
		TOTAL OBS	22	117	146	129	104	72	55	35	78	11	•	•	10	0	0	0	0	၀	0	161	100.0	
	(FT)	48+	•	•	•	0	•	•	•	•	•	•	0.	• 1	٠ •	•	•	•	•	•	•	m	4.	
	HE I GHT	34-47	•	°.	•	-:	6.	e.		1.0	3.5	φ.	.	•	9.	•	•	•	•	•	•	59	7.5	
	VS SEA	22-33	٥.	°.		4.0	•	•	•	•		'n	4.	۲.	4.	•	•	•	•	•	•	4	31.4	
	(KTS)	11-21	•	7.3	10.4	0.6	7.6	9.0	1.1	5.	•	• 1		•	•	•	•	•	•	•	•	315	39.8	
	SPEED	4-10	5.4	7.2	6.1	3.2	0.	.	٠,	.1	7	•	•	•	•	o.	•	•	•	•	•	161	20.4	
	ONIE	6-0	4.	6.	•	•	•	•	•	٥.	•	•	•	•	0	•	0.	o.	•	•	•	5	9.	
		HGT	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT	
>																								

TABLE 19

	9
	49-60
(50	41-48
(SECON	33-40
ERIOD	26-32
WAVE P	23-25
V S	0-22
(FT)	19 2
PERCENT FREQUENCY UF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS	12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 6
WAVE	12 13
J.	
QUENCY	8-9 10-11
FRE	8-9
PERCENT	7
	9-9

	N P	4	7	Ø	11	13	19	-	0	
	MEAN HG1									
	TOTAL				144					_
	87+	•	•	•	•	•	•	•	0	•
	71-86	•	•	•	•	•	•	0	0	•
	01-10	•	•	•	•	•	•	•	0	•
	49-60 61-70 71-86	•	•	•	0	•	•	٥.	0	•
	11-48	•	•	•	•	•	•	•	0	•
	33-40	•	•	•	0	•	•	•	0	•
	6-32	0,	۲.	•	.7	٠,	'n,	•	16	1.8
	3-25	•	7	•	.2	٠.	•5	•	0	1.0
	0-22 2	c.	:	ů	1.0	9.	٠.	•	21	5.4
TELECTION OF MANY PERIOD (SECONDS)	13-16 17-19 20-22 23-25 26-32 33-40 41-48	•		•	1:1	'n	•	0	25	5.8
	13-16		4.7	5.6	5.9		.2	•	102	11.5
	12	•	1.9	1.6	1.4	7	7.	۲.	21	5.8
	10-11	6.	2.7	1.9	2.8	6.	٦.	7.	84	9.5
3	8-9	5.6	3.5	3.6	1.9	2.1	٦.	•	120	13.5
	7	2.7	4.0	4.7	7.0	6	٦.	•	129	14.6
	9-6	4.7	8.5	2.3	1.5	٦:	•	٦.	152	17.2
	3-4	6.9	6.4	1.2	.7	•	•	•	121	13.7
	1-2	4.4	•	•	•	•	•	•	39	4.4
	\$	•5	•	0	•	0	•	1.7	17	1.9
	PERIOD (SEC)	9	2-9	8-0	10-11	12-13	>1 5	INDET	TOTAL	PCT

TABLE 2

	TOTAL OBS	528					_
	ENA NO SIG	72.2	71.5	76.0	68.4	1477	72.0
	OTHER WEATHER PHENOMENA FOG SMOKE DUST NO WO HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	4.	4.	•2	•	10	• 2
UR	R WEAT Smoke Haze	80	9.	•5	4.	01	
ву на	FOG WO	3.0	2.5	1.8	5.6	21	2.5
CURRENCE	THDR	0.	•	•	.2	1	*
ATHER DO	TOTAL PCPN OBS		131	108	144	508	
PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR	HAIL PCT FREQ PCPN AT OB TIME	23.7	25.1	21.8	28.4		24.8
FREQUE	HAIL	4	•5	9	4.	6 0	4.
NTAGE	PRECIPITATION TYPE L FRZG SNOW OTHER PCPN FRZN	.2	.2	•	•	7	• 1
PERCEI	SNOW	13.3	12.1	8.7	15.6	255	12.4
	RECIPI.	• 5	•	•	•	- -	*
	PRZL	3.2	4.0	3.0	3.6	75	3.7
	SHER	6.	9.		0.	22	7.1
	A I S	9.9	9.6	8.5	9.5	175	8.5
			_				

HOUR (GMT) 00603 06609 12615 18621 707 PCT

			21		114.77 115.93 105.93 105.93	44-15-00-			
	R.B.O.R		18	- N. 00 4 N	4-2-49		1000.0	21	
	DUTCH НАR 165-172W		MT) 12 15	2 11 2 8 2 8 9 7		4004400	1000		13.3 1 12.2 2 12.2 2 16.6 6 13.1 8.1 8.1 1.7 1.7 100.0 10
	0008 -55N		HDUR (G)	11001 1001	wandan	91.00	, 0 100 , 0 100	15	12.6 9.44 15.0 115.0 115.0 11.0 7.1 127 100.0
	AREA	×	90	04000			460	UR (GHT) 09 12	11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
		D BY HOUR	60		12.5		100001) 90 0	
		SPEED AND	00		N 8 N 8 N N	0 L 4 Q W	100.00	60	6.2 1 10.3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		ION BY S						00	10.55 11.55 11.65 11.56 11.56 11.59 100.00
ARY	E 3	DIRECT	MEAN	000000	20.3 20.5 20.5 18.7 4.4	18.9	19.2	`	<u> </u>
FEBRUARY	TABL	OF WIND	PCT	L404W	400000		100.	40	10000000000000000000000000000000000000
		EQUENCY	+ TUTAL OBS	111111111111111111111111111111111111111	12 15 15 14 17		4 2501	L PC1	11.88 111.88 110.11 10.00 10.11 10.00 10.00
		AGE FR	47 48+		••••	800400	55 1.0	+ TOTAI	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		PERCENT	83 34-			mrmm00	7.8 8	0TS) -40 41	2.22 2.28 2.29 2.23 2.23 3.42 5.88 5.89
	44-1970 99-1970		SPEED (-21 22-	40000		V. 0. 0. 0. 0.	8.2 2 8.2 2	EED (KN -27 28	4 4 4 4 4 8 4 6 4 6 4 6 4 6 6 6 6 6 6 6
	IMARY) 19 ER-ALL) 18		WIND 4-10 11		2 11.2		486 19.4	WIND SP 7-16 17	4 w w 4 4 4 4 w
	80		0-3	44404	* 00 01 4 10		101	9-0	# 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4
	PERIOC		WND GIR	N N N M	M M M M M M M M M M M M M M M M M M M	NEZZZZA T	TOT 08S	WND DIR	C A A R A C A C A C A C A C A C A C A C

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														TOTAL OBS	105	68	109	75	95	93	125	170	109	46	118	152	4/	6 0 ⋅	ۍ د	5 (100.0
6 0R											>4/8)			NH <5/8 ANY HGT	1.0	٥.	1.0	1.4	1.3	1.2	0 4	4.0	2.5	5.4	2.1	ω ·	1.1	I .	7.1	.	6.4	30.7
HAR 2W											(FT,NH >	į	Z O	8000+	•	•	•	•	-		•			•	•	•	•	o e		•	0 1	. 2
В ОТСН 165-17												1000	UIRECLIUN	6500 8 7999	•	•	·	0	0	- •	-	: -:	0	•	•	•	٠,	٠, ٥		•	•	.2
A 0008											G HEIGHTS			5000	•	•	-:	0	2.	•	•	. 2	• 1	•	• 1	o o	÷ (0.0			٠. د د	1 0
ARE.		»L S	92	639	54	32	10				CEILING	0	<5/8 BY	3500 4999	.1	٠:	0	~; ·		-:-	•			٦.	2.	'n.	•	•	; ∘	•) e	1.5
	2	TOTAL					25	0		TABLE 6	9	2	Y	2000 3499	٠,	s.		4	4					• 5					.	•	. (4	7.9
	R (GMT	PCT FREQ	100		100	100		100		TAE	FREQUENCY	0	<u>п</u>	1000	2.7	5.4	5.4	1.1	2.1	2.0		2.3	1.3	1.5	2.2	2.7	•	0.7	•	• r	200	32.7
	BY HOUR	MEAN	19.	19	20.	18.	19.						UCCURRENC	666	•	1.1	•	Φ.					1,1	•	1.4	•	•		• •		• K	15.3
4	SPEED	CALM	.7	1.4	. 7	1.6	28	1.1			PERCENTAGE		O N N	300	m	-4		4														3.2
TABLE	ONIR	(KNDTS	•	1.9	•	•		1.4			۵			150 299	e.	٥.	•	7	(•	- 0		• 1	٠.	0	-; ·	₹.	- 0	• c	• •	• r	1.0
	ACY DF	SPEED 34-47	•	9.7		•	~	•						000	.2	.2	س	ů.	4	.	. «	1.3	4.	'n	m.	4.	. (٠,	,	•	• ¢	4.0
	FREQUENCY	WIND 22-33	28.1	54.9	30.7	27.8	695	27.8																								
	ERCENTAGE	11-21	80		6	5	5	38.2			(EIGHTHS)		MEAN	LOUD	•		•	•	•	•				•	•	•	•	•	•	•	, c.	•
	PER	4-10	6	19.6	S.	2	8	•				2		DTAL C	105	89	601	0 5		35	112	170	109	26	118	767	t (0 4 0 H	3 0	> a	579	0.0
		1-3	4.1	4.1	2.0	4.0	9	3.6		ın	CLOUD AMOUNT	X0++7#9T0	ובר ו זח	-	~	~ .	,	0 0	D 4	n 0	. 0	4	6 0	4 1	~ 0	0 4) k	1 C) C	. 6	2 10
199-1970		HOUR	030	6039	221	862	TOT	PCT		TABLE		CNI		3 8 7 08SC	2	. 3	\$ (7 (<i>o</i> c	, u) W	4	2	1	~	→	٠ ,	٦ -	1			0 45.
18			0	0	-	7					TOTAL	>	-	ų,	7	,,	٠,	٠,	→ -	٠,	1 77	m	-	~ (7	* 0	10	٦ -	•		10	33
PRIMARY)											EQ 0F			3-6	•	•	•	•	•	•	• •	1,	•	•	•	;	•	•-	•	•		10.
_											CT FR			0-5		~	* (• •	4.0	1.0	1.2	1.2		1.1	• •			10	•	184	11.0
PERIOD											α.			WND DIR	z	W I	Z 2	u Z	נו נו	1 1 1	SSE	s	SSE	NS.	Z (3)	¥ 2 3	2 2	2 2	. ×	Σ - V	~	TOT PCT

TABLE 7 PERIOD! (PRIMARY) 1944-1970 (OVER-ALL) 1899-1970

DUTCH HARBOR 165-172W

AREA 0008 51-55N

CUMULATIVE PCT FREG OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

	OR . OR	>50YD >0									0.69 0.69	
	= 0R	•									68.5	
=	* OR	>1/5	3.	1.2	2.7	10.5	45.9	58.1	61.1	62.1	67.2	1131
VSBY (NM	# 08	~	.5	1.2	2.7	10.5	45.0	57.0	59.8	60.8	65.1	1095
	• OR	>5	• 5	1.2	2.7	10.3	39.5	53.1	55.4	56.2	59.6	1003
	¥0 •	> 2	4.	1.2	9.7	9.5	33.2	42.2	43.8	44.5	46.6	783
	. 0R	>10	.3	89.	1.6	5.8	15.0	23.1	23.5	23.7	24.0	403
	CEILING	(FEET)								OR >150	e OR > 0	TOTAL
			-	_	-	-	-	-	-	-	-	

PCT FREQ NH <5/8: TOTAL NUMBER OF OBS: 1682

31.0

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TABLE 7A

TOTAL 8 OBSCD OBS 5.5 10.7 11.9 35.6 5.6 1741 9 • 6.3 7.4 8.6 5.3 3.2 0

*

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	51-55N 165-172W
	TABLE 8
PERIOD! (PRIMARY) 1944-1970	(DVER-ALL) 1899-1970

		PCT	1:0	91.0	40.0	6.8 8.3 15.2	9.4 24.2 33.6	1.1 38.4 39.5	100.0
		TOTAL	23	41 20 61	92 44 136	139 170 309	191 493 684	783 805	2038
œ		CALM	000	•••	* o =	* * ~	444	* 6.	14.
JUTCH HARBOR 165-172W	-	VAR	000	•••	000	000	•••	•••	° °
ЗОТСН НА 165-172W	PRECIPITATION	N	000	000	# - m	£ 20	1.3	1.5	3.6
EA 0008 51-55N	RECIPI	2	70.7	.02	40.0	6.57	2.0	1.5	108 5.3
AREA 51-	R	3 N	* 0, 1	1.0 m	44.0	13.4	1.0	1.9	4.6
	URRENC	3	***	## ~	100	.3	1.1	4.3 91	168 8.2
	ON OCC	MSM	11.4	# 4	1.7	.3	1.6	2.6	136
	OCCURRENCE OR NON OCCURRENCE NG VALUES OF VISIBILITY	MS	4.4	## 04	151	.3	39	2.5	129
8	URRENC	MSS	0.1.6	**~	.1.7	4 6 9	1.9 38	4 m m	114
TABLE	VS DCC	S	21.2	6.1.8	262	20	2.6	950	194
	DIRECTION VS OC WITH VARYING	SSE	# 4,10	1.2.9	4.0	22.55	1.6	2.4	134
		SE	0.1.0	400	10	2.7.5	1.2 1.8 62	2.9	164
	OF WIND	ESE	* o ~	44.0	6.4.6	13.4	1.5	1.7	105
	FREQ	ш	11.2	v.* o	44.0	2.4.6	1.3	1.6 36	5.6
	PERCENT	ENE	1.0°W	4		.3	1.0	1.9	103 5.1
1970 1970	۵	Ä	##0	.1.8	 5.	.7	1.6	2.1	144
1944-1970 1899-1970		NNE	000	11.4	61.0	55.2	.5 1.1 32	2.1	110 5.4
(PRIMARY) (OVER-ALL)		z	000	000	4.1.1	23.6	1.3	2.1	134
			PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PERIOD!		VSBY (NH)		1/2<1	142	2 < 5	5<10	+01	

		PCT	047.00		40404	2.00.04 2.00.00	11221 1221 1221 1231 1231 1231 1231 123	1.9 19.5 10.2 40.7	0.00
		TOTAL	11 17 17 17 17 17	11 11 36 63	23 35 157	13 59 200 367	46 307 333 829	48 235 471 251	2471 1
~		CALM	• •	• •		. 4	.5	4. 01	28
HARBOR		VAR	00000	00000	00000	00000	00000	00000	00
В ОТСН 16 5- 17		X Z Z	00000	00000	00014	0##04	# 7004	# 4 0 M O	91
0008 55N		Z	00040	0**00	01010	5°5°5° 5°2°5° 5°2°5° 5°2°5° 5°3°5° 5°3° 5°3	1	0 ~ ~ 0 %	138
AREA 51-	۵	X X	000#-	0.40##	0444	12.1.00	0 7 5 4 6	# 1872	109
	D SPEED TY	3	00040	00##1	o i t iin	# 2 - 1 5 2	V 10 0 00 0	2.7	200
	VS WIND SIBILITY	H S H	0#~#	00000	0##718	22	1.1	1.50	158
	CTION OF VI	MS	00115	0,40,40	011.67	* # # 7 15 9	w.r. 0 8 1	7.6.7.	177
6 3	D DIRE	MSS	040#4	* 00 * N	10176	* 5	.1 .2 .7 .7 .1 .1 .1	1.0	147
TABLE	OF WIND	S	01118	0-1#48	0 # 12 # 2	0,44,4	1	1.6	227
	FREG ITH VA	SSE	0+0	0#440	0,##"0	0 # 7 8 5	04881	3.6	155
	PERCENT	SE	00##N	00440	0.***	1.567.1	 64440	1.66	215
	α.	ESE	00100	0.10.40	¢*:'06	01640	07986	* 40 m m	119
		ш	0##%	00122	0077	00000	0,000	1.5	140
		ENE	00# m	001.14	000000	02468	0.4006	0.40.67	110
4-1970 9-1970		N N	0.*0.*0	01.47.0	1.50	3.6.2.	1787.9	1.1	165
194		N N	00000	00#~4	0 * 2 7 0	* * 4 5 5 5	3.66.0	1400.4	1117
(PRIMARY) (OVER-ALL)		z	00000	00000	13.5	0 4 4 4 4 6	*~	1.0.1.0	175 7.1
		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	DTAL
PERIODI		VSBY (NR)		1/2<1 4	142 4	245	5<10 4	10+	-

DUTCH HARBOR 165-172W		TOTAL OBS	439	442	395	423	1699 100.5
AREA 0008 51-55N	QN:	NH <5/8 ANY HGT	30.5	27.1	32.2	36.2	534 31.4
A	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8), AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	69.5	72.9	67.8	63.8	1165
	EET, NH DUR	8000	5.	• 5	•	• 5	4 %
	HTS (F)	663L	3.	0.		•5	4 %
10	IG HE I ON NH <5/	5000	1.6	6	e.	• 5	13
TABLE 10	CEILIN	3500	1.4	2.0	Φ.	1.7	25
	CY DE	2000	6.2	9.5	10.6	5.5	133
	REQUEN	1000	3.6 18.9 31.0	33.9	3.5 14.2 31.6	2.8 13.2 32.9	258 550 15.2 32.4
	CENT !	009	18.9	2.7 14.3 33.9	14.2	13.2	258 15.2
	PE	300	3.6	2.7	3.5	2.8	3.5
		150	1.4	.7	Φ.	1.2	17
1970 1970		000	4.6	8.6	5.8	6.1	107
1944-1970 1899-1970		HOUR (GMT)	00003	60390	12215	18821	PCT
PERIOD: (PRIMARY) (OVER-ALL)							
PERIO							

	AND/OR	TOTAL OBS	436	435	390	421	1682
	BY (NM) BY HOUR	H <5/8	29.6	24.6	29.5	33.5	491
8	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	<150 <600 <1000 1000+ NH <5/8 <50YD <1 <5 AND5+ AND 5+	33.0	38.2	32.1	20.2	558
TABLE 12	OF RANG	<1000	37.4	8.5 13.1 37.2 38.2	11.8 38.7	11.4 37.3 29.2	205 633
	FREQ.	<600 <1	12.4	13.1	11.8	11.4	205
	IVE PCT CEILING	<150 <50YD	4.6 12.4 37.4	8.5	5.9	6.2	106
	CUMULAT	HDUR (GMT)	60300	60390	12615	18621	PCT
	∝	. TOTAL 08S	436	435	990	1 421	1682
	(NM) BY HOUR	10+	25.2 51.8	44.6	41.8	28.0 47.3	492 782 29.3 46.5
_	(WN)	5<10	25.2	30.1	34.1	28.0	492
TABLE 11	FREQUENCY VSBY	2<5	12.6	13.8	16.9	14.7	243
	FREQUEN	1<2	4.8	7.1	4.4	6.7	5.8
	PERCENT	1, 2<1	2.5	2.1	2 . 1	2.1	3.2
	•	<1/2	3.0	2.3	€0	1.2	31
		HOUR (GMT)	60300	60390	12615	18621	T07 PCT

AREA 0008 DUTCH HARBOR 51-55N 165-172W

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TABLE 13

PERIUD: (PRIMARY) 1944-1970 (GVER-ALL) 1899-1970

	DUTCH HARBOR 165-172W	ITATION)																				
	AREA 0008 51-55N	PRECIP	35	2.0		. 0	3.5	7.0	12.9	10.8	11.5	:;	• •	4.1	6.1	2.5	3.8	2.8	6.		1754	97.8
	ARE	THOUT	₃ñ S	0	::	⊣ ຕ	7	٠.	4		ů.	,	, ~	•	•	•	•	•	•	•	9	2.2
		TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)	TOT	wĸ	12	51	20	127	239	197	211	131	113	74	110	66	69	51	16	7	1794	100.0
		INCE D	52		•	• •	•	• •	•	•	•	•	•	•	0	•	•	•	•	•	-	7
		CURRE	4 4 8 8	1.0	::	7.	•	-:0	•	•	•	•	•	•	•	•	•	•	•	o•	11	٠,
FEBRUARY	TABLE 17	JAE D	4 4 1. 4	0.7	~	2.5	1.1	9.	8		~	•	•	•	•	Ö	•	•	•	•	142	4.9
FEB	TABI	APERA	40	0,0	~		2.0	ທຸດ ທູໝ	10.5	5.9	9.4	9.7	. •		4	•	°	•	•	•	697	98.9
		EG F)	33	•	::	• •	.2	۰ به	1.9	4.9	6.7	•	4 .0	5.0	1.9	•		•	ė		578	
		RE (D	32	•	•	• •	•	: •	°	:	~			1.6	3.5	2.5	•	٠,	•		188	
		ERATU VS	25 28	00	•	• •	•	• •	۲.	•	7	:-	::	€.	9.	2.1	2.3	æ	9		115	
		TEMP	21 24	00	0	• •	•	••	•	•	•	•	•	•	•	-	•	1.8	4	-	25	5.9
		AIR	17 20	00	•	•	•	••	•	•	•	•	?	•	•	•	•	:		•	10	٠
	(PRIMARY) 1944-1970 (OVER-ALL) 1899-1970	PCT FREQ OF	AIR-SEA TMP DIF	9/10	. • • •	u 4	6	1 5	0	7	2.5	n 4	15	9	8-//-	-9/-10	-11/-13	-14/-16	-17/-19	-20/-22	TOTAL	PCT
	PERIOD:																					

(PRIMARY) (NVER-ALL) 1963-1970 PERIODI

TABLE

9

FRED

PCT

DUTCH HARBOR 165-172W TOTAL AREA 0008 51-55N SE 34. (FT) HE I GHTS SEA VERSUS DIRECTION AND (KTS) SPEED ONIB

PAGE

04011400000000000000000

AREA 0008 DUTCH HARBOR 51-55N 165-172W

TABLE 18

	GRAND 1 1962 1 1017 1 1017 1 1017
101 AL 224 224 224 224 224 22 22 22 22 22 22 2	101 111 112 112 113 116 116 116 116 116 116 116 116 116
+000000011701100000077	+ 0000000000000000000000000000000000000
MW 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	, 0000044WW00000000000000000000000000000
22 - 2 - 2 - 2 - 2 - 3 - 4 - 2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	22 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
11	11-21 0.47-0.00 1.60-0.00 0.00-0.00 0.00-0.00
000000000000000000000000000000000000000	0 147010000000000000
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	7.0000000000000000000000000000000000000
101	10 16 22 22 22 22 16 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
4 + 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	# 0000000010100000000
7-4-7-4-7-4-7-4-7-4-7-4-7-4-7-4-7-4-7-4	74 00011240000000000000000000000000000000
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 22 23 23 24 24 25 26 26 27 27 28 28 27
17 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	11-21
0 m 4 m 4 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
44.460000000000000000000000000000000000	u 01110000000000000000
HGT	HGT 11-2 10-11 10-11 10-11 10-11 10-12 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22 20-22

DUTCH HARBOR 165-172W	
AREA 0008 D 51-55N 1	
TABLE 18 (CONT)	WIND SPEED (KTS) VS SEA HEIGHT (FT)

TOTAL	26	136	211	165	141	108	77	48	99	15	19	9	m	0	0	0	0	0	0	1021	100.0
+8+	•	•	•	0.	•	•	•1	•2	.3	• 2	. 1	• 1	•2	•	0.	0.	•	0	•	12	1.2
24-42	•	•	•	• 5	•	1.9	1.5	1.6	2.9	φ.	1.2	.2	.1	•	0.	•	•	•	•	114	11.2
22-33	•	•	3.7	4.8	6.8	5.5	4.4	2.3	5.6	4.	9.	6.	•	•	0	•	•	•	•	320	31,3
11-21	•	7.2	12.9	6.6	5.5	2.8	1.6	••	•			0.	0.	•	•	•	•	•	0.	415	40.6
4-10	1.3	5.4	3.7	1.5	1.0	4.	•	•	°	•	•	·	•	•	•	°	•	°	•	136	13.3
0-3	1.3	.7	e.	.1	•	•	٥.	•	•	•	•	•	•	•	•	•	•	•	•	24	5.4
HGT	<b>.</b>	1-2	3-4	2-6	7	8-8	10-11	12	13-16	17-19	20-22	23-52	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT

TABLE 19

	MEAN	5	00	00	6	10	16	0	7	
	TOTAL	225	353	260	167	34	28	27	1094	100.0
	87+	•	•	0	•	0	•	0	0	•
	71-86	•	•	•	•	•	0	•	0	•
	01-19	•	•	0	•	•	•	•	0	0
	49-60 61-70 71-86	•	•	•	0.	•	•	•	0	0.
S)		•	•	٠.	•	•	•	•	0	•
(SECONDS)	13-16 17-19 20-22 23-25 26-32 33-40 41-48	•	•	•	•	•	•	•	0	•
PERIOD (	26-32	0		•	0		5.	0.	80	.7
	23-25	0		ú	'n		•	0.	30	.7
HEIGHT (FT) VS MAVE	20-22	•	1.0	4.	7.	•	ů	0.	19	1.7
H (FT	17-19	.2	1.3	٠,	e.	•	-:	0	25	2.3
HEIGH	13-16	.3	3.5	1.3	2.7	5.	9.	•	4	8.9
JF WAVE	12	•	1.8	5.0	1.6	٠.	5.	•	78	7.1
FREQUENCY OF WAV	8-9 10-11	1.2	4.0	3.2	2.1	æ	٣.	•	127	11.6
FREQ	8-8	2.2	3.4	3,3	3.7	'n	•	•	144	13.2
PERCENT	7	5.9	4.8	7.2	6.	• 5	.2	•	188	17.2
_	9-9	4.6	7.1	3.6	1.8	0.		•	187	17.1
	3-4	5.9	2.0	0.0	9	٠,	•	•	153	14.0
	1-2	5.6	~	۲.	•	•	•	•	31	2.8
	7	•5	•	ô	•	•	•	2.5	58	2.7
	PERIOD (SEC)	9>	2-9	8-8	10-11	12-13	<b>&gt;13</b>	INDET	TOTAL	PCT

SOR		TOTAL OBS	182	122	129	121	92	159	131	162	103	130	166	188	120	139	138	-	16	2179	100.0
DUTCH HARBOR 165-172W		HENA NO SIG	7.9	4.0	4.5	4.3	2.7	5.1	4.6	5.0	3.5	4.1	4.9	7.2	4.9	5.0	5.1	*	9	1666	76.5
		OTHER WEATHER PHENOMENA OG SMOKE DUST NO O HAZE BLWG DUST SI CPN BLWG SNOW WE	0.0	. 0	0	*	•	•	•	•	•	0.	•	•	•	•	*	•	0	2	7
AREA 0008 51-55N	NOI	ATHER DUCE BLWG					_	_	_		_		_	_	_	_	_	_	_		
ARE	IRECT	ER WEATS MOKE HAZE	•	•	*	*	#	•	*	#	*	• 1	#	•	•	•	•	·	0	0	4.
	WIND DIRECTION	PCPN	2.1	. 2	7	.2	5.	9.	e.	.7	5.	6	.2		-:	*	7.	•	• 1	100	4.6
	ВУ	THDR	•	•	•	•	•	•	*	•	•	•	•	•	•	•	•	•	0.		*
<b>-</b>	WEATHER OCCURRENCE	TOTAL PCPN OBS	32	30	59	50	22	34	53	36	15	32	21	54	12	30	22	0	1	401	
TABLE		PCT FREQ PCPN AT OB TIME	1.5	1,4	1.3	6.	1.0	1.6	1.1	1.7	.7	1.5	1.0	1:1	9.	1.4	1.0	•	*		18.4
	FREQUENCY OF	HAIL	•	•	•	•	•	•	*	•	•	•	*	*	0.	*	•	•	•	4	• 5
		TYPE OTHER FRZN PCPN	* 0	•	•	•	*	. 1	•	*	•	•	•	•	•		•	•	•	7	<b></b>
	PERCENTAGE	TATION TYPE SNOW OTHER FRZN PCPN	1.0		6.	4.	.3	•		•	-	.7	•	œ.	4.	6.	<b>.</b>	•	•	503	9.6
	PERC	PRECIPI FRZG PCPN	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	*	•	•	, <b>-</b>	*
		DRZL	40	. 7.	6	.2	ē.	4.	4.	u.	.2	<b>.</b>	-:	.2	*	•		•	•	75	3.4
1942-1970 1901-1970		RAIN	* *	*	*	0	•	•		*	•	•	• 5	#	•	•	•	•	•	13	9.
		RAIN	6 4	3	.2	4.	•5	9	4.	ω.	.5	5.	•5	-	-	.2	*	•	*	116	5.3
(PRIMARY) (OVER-ALL)		WND DIR	Z Z	Z	ENE	w	ESE	SE	SSE	S	SSE	3	ZVZ	•	323	3 2	ZZ	VAR		TOT OBS	
PERIOD:																					

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TABLE 2

TOTAL OBS	586	517	547	544	2194	100.0
GNA NO SIG WEA	78.5	76.2	79.3	71.7	1678	76.5
OTHER WEATHER PHENOMENA FOG SMOKE DUST NO WO HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	• 2	.2	•	•	2	:
R WEAT SMOKE HAZE	3.	•	o	•	٥	4.
FOG	5.8	3.5	3.1	5.7	100	4.6
THOR	•	•	• 5	•	-	*
TOTAL PCPN OBS	88	101	95	120	404	
PCT FREQ PCPN AT OB TIME	15.0	19.5	17.4	22.1		18.4
HAIL	.2	•	5.	•	4	• 5
ITATION TYPE SNOW OTHER FRZN PCPN	63	•	4.	.7	7	6
SNOW	9.2	10.1	8.8	10.5	211	9.6
PRECIPIT FRZG PCPN	•	•	•5	•	7	*
PF	5.6	4.0	2.2	4.6	16	3.5
RAIN	.2	0.1	.7	9.	13	9.
RAIN	3.4	2.6	2.1	9.9	116	5.3
HDUR (GMT)	60300	60390	12615	18221	101	PCT

		21		40	•	•		3	•	•	÷ .				•		100.0	•											
HARBOR		18	3.5	, IC	• •	4 .	0 10	5	M I	~ 1	0 0		-	7		~ ¥	100			21	•	7.0	• •	. 0	4	•	·	•	115
DUTCH HA 165-172h		(T)		2 4 9	2	2.5	12.	89	m (		• •		8	4	•	• ;	100			18		13.2	o-	2.6	4.0	•	6.3		500
0008 55N		HDUR (GMT)	.9	4 9	.0	4 4	9	.0	4.0	· ·	) a	26.	9	• 5 •	0	001	.0 100			15		7.2	٠,	2 .	5	•	5		138
AREA 51-		90	9.0 5	9.1.	•	۰ ۵	ٿ. ⊶	8.	m.	4.4	•	- 17	6.	œ.	0.	8 .	0			(GMT)	13.	01		13	12.	13.	12.	• -	100
	BY HOUR	60	1.9	7.6	2	•		•	•		• a		•	•	•	1.0	00			HDUR 60	9	3 7	01 4	1 13	0 15	7 15	8 0	000	0 100.0
	ED AND	00	9.6	0. 4 0. 00	5.3	w r	3.0	8.1	4.0	0.7	10	S	5.3	7.3	0	1.0	100001			0 60	.7 12	11 11	0 4	5 13	.2 15	• 2 13	.5 12		05 5
	BY SPE																			00	2.0	9.0	1.0	4.5	3.2	6.2 1	2.5		606 100
ю	RECTION	MEAN	17.0		7		: ;	7		: 0	5	. 6	7	6	•	0.4	•		3A		7	•		• -	7	7	-		10
TABLE	MIND	PCT	3.6	œ ش	٠.	0,4	ο .	9.	œ r				.3	63		1.0	0.00		TABLE	MEAN	•	18.0	. 9	7	6	7.	· -		17.5
	ENCY DF	TOTAL OBS	216	152	139	106	152	200	125	080	245	144	166	165	- ;	25,00	•	•		PCT FREQ	-	11.1	. "	2	3	14.8	2	1.0	100.0
	E FREQUENC	+8+	•••	•••	*	0 -	:0	0	-; ‹	-			*	7	0	17	. •			TOTAL 08S	_	292	. 3	· ~	9	8	7	~	2629
	PERCENTAGE	34-47	.1.				. ~						80			-	8.9			+1+	*	٠, ·					* 0		58 2.2
970	PE	ED (KNDT) 22-33	2.2	1.1	•	•	1.1	•	•	• •	•		•	•	o	4	24.4			(KNDTS) 28-40	•	1.5	• •		•	•		•	409 15.5
1942-1 1901-1		IND SPE 11-21	3.5		•	•		•	•	• •	•		•	•	•	0	37.8			SPEED 17-27	•	9.0	• •	•	•	•	• •		809 30.8
(PRIMARY)		4-10		-:-		• -	-:	۲.			6	1		<u>.</u>	•	99	25			WIND	*	4 K	4	*	4	ė «	•	` [	976 37.1
RIOD: (PR		R 0-3	40	4 -1	<b>.</b>	7 9	.2	2.	7. 4		1		E.	* +		13 13	7 5.			8 0-6	•	1.6			•	•	•	-1	377 T 14.3
PERI		WND CI	ZZ	Z Z	ш (	n V V	SS €	w i	* A 3 C	N Z	*	323	Ž	3 C	4 - 4	CALM DT 08	T PC			MND DIE	z	<u></u>	S	s	S	3 Z	VAF.	CALM	101 UB:

MARCH

DUTCH HARBOR 165-172W
AREA 0008 51-55N
TABLE 7
PRIMARY) 1942-1970 OVER-ALL) 1901-1970
PERIOD: (

	# C
NCE	■ 0R
CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)	= 0R >1/4
LTANEDUS 8) AND V	) = DR >1/2
OF SIMU (NH >4/	VSBY (NM) = DR >1
PCT FREQ 5 HEIGHT	# 0R
JLATIVE   F CEILIN	# DR
	* DR
	CEILING (FEET)

= 0R	^	7.	1.5	3,5	16.6	42.6	62.7	4.99	6.99	74.4	1272
. OR	>50.0	.7	1.5	3.5	16.6	42.6	62.7	66.4	6.99	74.4	1272
08	>1/4	.7	1.5	3.5	16.6	45.6	62.7	4.99	6.99	72.8	1245
<b>≈</b> 08	>1/2	.7	1.5	3.5	16.6	45.4	62.4	62.6	66.5	70.9	1211
■ OR	7	.7	1.5	3.5	16.6	42.1	62.1	65.4	65.9	69.3	1185
= OR	>2	.7	1.5	3.5	16.3	40.9	59.9	65.9	63.4	65.8	1124
■ OR	<b>&gt;</b> 2	.7	1.5	3.5	15.4	37.0	6.05	53.0	53.2	54.4	930
<b>≈</b> 08	>10	5 5	1.0	2.3	10.9	22.9	23.0	28.4	28.5	29.9	767
EILING	FEET)	>6500	^				>600	•	•	^	TOTAL
J	_	* OR	* OR	■ OR	■ OR	* OR	# 5	■ ÛR	. OR	. OR	

TOTAL NUMBER OF OBS: 1709 PCT FREQ NH <5/8:

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

TABLE 7A

0 1 2 3 4 5 6 7 8 OBSCD OBS 4.1 3.1 6.4 5.4 6.2 7.6 11.4 11.5 37.1 7.2 1766

DUTCH HARBOR	165-172W
AREA 0008	51-55N
	TABLE 8
	(DVER-ALL) 1901-1970

	PCT	2.9	2.5	2.1	5.2 6.9 12.1	34.0	40.3	100.0
	TOTAL	21 49 70	34 27 61	45 55 100	113 149 262	143 615 758	44 874 918	2169
	CALM	01.0	000	•••	0 1.0	# m ~	0.4.0	16
7	VAR	000	000	•••	•••	000	• * →	→*
ITATIO	3 2 2	4.1.4	000	11.9	18	2.5	2.3 52	140
PRECIPITATION	Z	**~	2.0	40°4	14.1	1.9 54	2.7	139
9	2	• * →	.0.8	##0	· m o	1.6 39	3.0	120
OR NON OCCURRENCE VISIBILITY	*	44.2	44	440	1.4.5		4.1	188 8.7
JR NON OCCU	MSM	01.8	*0.4	11 5 *	2.6.11	3.1	2.7	166
щ Р	NS	17.9	•••	I	4.7.4	1.8	1.5	129
ECTION VS OCCURRENCE ITH VARYING VALUES OF	NSS	0 11 4	* o. ¬	* ~ ~	5.2	1.8 41	1.4	102
VS DC	S	# ~ ~	10	1.4.1	2.00	1.9	2.1	160
ECTION ITH VA	SSE	000	460	11.7	2.9	1.3	2.6	130
WIND DIR	SE	10	12.9	.1.	21.5	2.5	2.5	159
OF WI	ESE	- n &	41.2	.1	u 4 ti	1.1	1.2	92
PERCENT FREQ OF	ш	44.0	<b>-*</b> w	* - 6	25.6	1.3	2.8	120
PERCEN	ENE	* - n	<b>*</b> -101	- * w	.2	35.2	2.9	127
_	N H	* -i 4	***	1.4.2	4.6.0	38 38	2.4	120
	NNE	# O	.10 m	* 0 "	.2	1.0	1.1	3.6
	Z	4.4	* 4 %	1.1	3. e6	2.1 51	3.1.2 86	181 8.3
		PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
	VSBY (NM)	<1/2	1/2<1	1<2	\$>7	5<10	10	

		PCT	1.6	21.06	42.00	12.0	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	15.1 16.3 9.8 43.9	100.0
		TOTAL	22 22 22 22	15 26 29 70	0 14 38 58 110	15 125 126 311	36 340 340 896	70 394 423 255 1142	2602
α¢		CALM		? •	• •	. 2	ε. ο	.5	25
DUTCH HARBOR 165-1724		VAR	00030	00000	00000	00000	00000	# ¢¢.	→*
<b>В</b> 165-1		Z	00#44	00#0~	0 + 1 - 1 -	0.42.60	1.02	1.0	164
0008 -55N		Z	20102	0-1+04	0,**.4	0,4,0,7	* 10 6 1. 5	1.09	165
AREA 51.	PEED	KNZ	o.# o.o.⊣	00##0	004#	**77.	04041	1.99	144
	ND SPE ITY	3	o# -: # w	00114	0#7.76	# 00 C C	H 40000		244
	ON VS WIND S	ASE	040#	20*07	0.*************************************	00265	1.2	1.0	189
	I.P.	S	71.700	000# =	01224	124.6	27.50	10046	175
LE 9	OF WIND DIRE ARYING VALUES	NSS.	001#4	00*01	0.4 7.9	# 2256	* W L O R	1.0.0.0	123
TABLE	OF WI ARYING	S	0.1708	01,411	0.11.6.1	* 1.0.4.	* 2000	1.01	195
	T FREG WITH V	SSE	00000	01216	00711	25.25	04040	* 6.00	149
	PERCEN	SE	*:551	7.	1.1	2.5.21	1.2	1.0 1.0 8.7	190
		ESE	* - 0 * 6	0*4*	0 * * 7.00	11.266	34.4.6	 	106
		ш	5444v	0##"4	00*	122210	46.0.0	75.1.92	138
		ENE	**0**	0###0	ůô*⊣w	0.5261	04978	1.00	138
1942-1970 1901-1970		Ä	04404	0,**0,0	00::0	0.1.2.6.1	-6.5.04	1.000	150
1945 ) 1901		NNE	000*-	0 * 0 % 0	00*04	*	0 2 2 2 2 0	17.63	۲. <mark>و</mark>
(PRIMARY) (OVEF-ALL)		z	0004	0####	0.01.00	02044	1.00	1.3	214
RIOD: (PR		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TDTAL	TOTAL PCT
PERI		VSBY	<1/2	1/2<1	142	2<5	5<10	10+	

									AND/OR	TOTAL OBS	458	413	414	454	1709
ROOR									(NM) A HOUR	<5/8 T	24.2	22.8	26.6	24.5	419
DUTCH YARGOR 165-1-2W		TOTAL OBS	459	415	419	428	1721			NH <5	54	22	26	54	4,4
သ			5.	.3	7.72	25,7	444		S 0F	1000+ AND5+	9.04	36.8	33.8	36.6	633
AREA 0008 51-55N	Q	NH <5/8 ANY HGT	25.	24.	27	52	25	TABLE 12	OF RANGES OF VSBY (FEET,NH >4/8),BY	<1000 1	35.2	40.4	39.6	98.9	657 38.4
AR	4/8),A	TOTAL	74.5	75.7	72.3	74.3	1277	TA		<600 <1 <1	11.6 3	12.6 4	14.5 3	11.1	212
	NH V	*000 <b>8</b>	•2	.7	5	٠,	ω ₁ υ		E PCT FREQ						-
	(FEET HOUR		4	~	O	2	4 2		TIVE CEI	<150 <50YD	6.1	6.5	11.1	7.1	131
	GHTS /8 BY	6500	•	•	0	•	•		CUMULATIVE PCT CEILING	HOUR (GMT)	00000	60390	12615	18621	PCT
10	G HEI	5000	1.1	1.7	.5	0.	14		Ö						
TABLE	E OF	3500	2.8	2.4	• 2	2.3	34								
	ENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	2000	15.5	13.0	13.1	10.3	224 13.0			TOTAL OBS	458	413	414	454	1709
	FREQUENCY OF OCCURRED	1000	25.1	24.1	25.1	29.5	445		r HDUR	10+	54.8	50.4	45.9	45.0	840
	RCENT FR	666 009	19.2	21.4	18.4	21.3	345		(NM) BY	5<10	27.3	27.6	31.4	33.0	509 29.8
	PER	300 599	3.9	4.3	3.3	2.8	3.6	LE 11		2<5	10.3	14.0	14.0	10.8	209
		150	4.	1.2	• 2	5.	9.	TABLE	ENCY	8	10	14		10	
		0000	5.9	6.5	0	7.2	131		FREQUENCY VSBY	1<2	2.4	3.9	3.6	5.0	3.7
1942-1970 1901-1970			10	9	11.0	7	1		PERCENT	1/2<1	1.3	1.2	1.7	1.9	26
1942		HOUR (GMT)	00000	60390	12615	18821	T01 PCT		PER						
RY)		_	J							<1/2	3.9	2.9	3.4	6,2	3.6
(PRIMARY) (OVER-ALL)										HOUR (GMT)	60300	60390	12615	18621	70T PCT
PERIODI															
9 6															

PERIOD: (PRIMARY) 1942-1970 (OVER-ALL) 1901-1970

AREA 0008 DUTCH HARBOR 51-55N 165-172W

		CALM	•	•	4.	• 5		•	•	17	1.1			TOTAL OBS	643	400	347	416	1615
	EMP	VAR	•	•	0	•	0.	•	•	0	•		HDUR	MEAN	83	96	86	86	85
	IN BY TEMP	Z	•		1.4	4.7	3.7	1.9	7.	190	11.8				4.3	7.2	2.4	42.8	670
	RECTIO	x	. 1	.3	3.0	F. 3	3.2	9.	•	248	15.4		RELATIVE HUMIDITY BY	80-89 90-100				35.3 4	
14	IO ONI	S	•	•	3.7	9.5	1.8	.,	•	254	15.8	E 16	TIVE						
TABLE 14	W HO	S	7.	9.	3.5	4.6	£.		0	200	12.4	TABLE 16		70-79	19.	13.	13.	13.0	54
	QUENCY	SE		6	2.0	9.1	1:1	-	۲.	207	12.9		NCY DE	69-09	8.1	5.6	5.8	0.9	104
	PERCENT FREQUENCY OF WIND DIRECTION	ш	0	.2	1.9	6.2	1.8	• 5	7	166	10.3		FREQUE	30-59	3.4	5.4	1.2	5.9	41
	PERCE	NE	•	.2	1.2	4.8	3.1	1.0	۳.	173	10.8		PERCENT FREQUENCY OF	0-29	•	•	•	•	0
		z	0.	.2	9.	3.0	3.9	1.6	6.	154	9.6		۵	HOUR (GMT)	60300	60390	12615	18821	T01
	100	FREQ	•2	2.5	17.7	54.1	19.0	5.6	6.	100.0									
	TOTAL	088	4	41	284	871	305	90	14	1609			HDUR	TOTAL OBS	707	653	409	658	2622
	TEMP	90-100	•	.7	6.8	25.4	8.4	5.6	.5	199	41.5		F) BY	Z	2.	2.	6.3	35.6	7
	ITY BY	80-89		9.	0.9	19.1	6.9	1.9		558	34.7		(DEG	× NI W	00	ထ	σ	20 3	80
L	HUMIDITY	70-79	.1	.7	2.7	8.1	2.2		.2	539	14.9		OF TEMP	1%	23	23	21	23	53
TABLE 13	RELATIVE	61-07 69-09	7	•5	1.5					104	6.5	ر. د		2%	28	28	27	27	27
TA	10	50-59	0	-:	9.	1.0	4.	•	°.	34	2.1	TABLE 1	PERCENTILES	20%	38	37	36	36	37
	FREQUENCY	65-05	•	-:	•	.2	•	•	•	9	4.		AND	95%	55	43	41	75	4 6
		30-39	•	•		•	•	•	•	<b>-</b>	7.		TREMES	*66	47		49	45	45
	PERCENT	0-29	•	0	•	•	0	•	•	0	•		MEANS, EXTREMES	MAX	20	20	45	21	51
		TEMP F	50/54	45/40	40/04	35/39	30/34	52/53	50/54	TOTAL	PCT		Ŧ	HDUR (CMT)	60300	00290	12615	18621	101

AREA 0008 DUTCH HARBUR 51-55N 165-172%

EQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOC (WITHOUT PRECIPITATION)

ITATIO																										
PRECIPITA	2	FOG	<b>C1</b>	4.	80	.7	2.0	3.1	3.5	6.1	7.3	11.8	6.6	11.1	7.4	7.8	5.9	3.9	4.9	3.4	2.3	1:1	۳.	.1	1877	95.3
THOUT	3	FDG	•	0		0	5	۳.	.2	5.	4.	1.0	5	٥.	m	٦.	ů.	2.	.1	٠	٠.	•	•	•	66	4.7
OF FOG (WITHOUT	101		m	7	17	13	48	49	72	129	151	252	204	228	150	154	123	80	128	69	46	21	•	8	1970	100.0
CE DF NCE (	64	52	7	٦.	٦.	0	0.	0.	0	•	0	0	0	0	ပ္	0	0	0	0.	0	0	0	•	0.	m	• 2
OCCURRENCE DIFFERENCE	45	48		2.	4	.2	۲.	0	•	• 1	•	.2	٦.	0.	0.	0.	•	۰.	•	•	•	•	•	0.	33	1.7
H.H.	41	<b>5</b>	•	.2	5	٠,	1.2	2.2	1.5	1.7	.7	1.1	.2	4.			•	•	•	•	•	•	•	•	201	10.2
MPERAT	37	40	0	0	0		•	1.1	2.1	4.5	9.9	8.9	5.5	4.9	1.6	1.4	∞.	<b>m</b>	9.	• 5		•	•	•	769	39.0
E H	33	36	•	•	•	•	٦.	٦.	•	ď.	4.	5.6	4.6	6.0	5.4	2.0	3.5	1.2	1.4	9.	4	7.	•	•	616	31.3
JRE (DEG AIR-SEA	53	35	•																							
TEMPERATURE VS AI	52	28	•	•	0	0	•	•	•	0	0	·	?	•	•	• 5	<b>.</b>	۲.	1.4	1.8	1:1	£.	ુ.	?	101	5.1
	21	54	0	•	•	•	0	•	•	•	•	•	•	•	•	•	•	•	•	•	4	9.	• 1	۲.	22	1.1
AIR	17	20	•	•	•	•	•	•	•	•	0	•	•	•	•	•	•	•	•	•			.2	7	ø	<b>.</b>
PCT FREQ OF	AIR-SEA	TMP DIF	11/13																							PCT

HARBOR 2W		TOTAL		36	28	14	13	15	'n	ሌ	M	0	0	0	<b>~</b>	0	0	0	0	0		122	•		TOTAL					30			4	→ (	<b>o</b> c	<b>,</b>	<b>4</b> C	• 0	0	0	0	0	0	167	•
DUTCH 165-17	•	4 + 80 + 4		0.	0		•	۲,	<u>ي</u>					•					•		0.	0	•		48+							•				•		•					°.	0	•
A 0008	FT)	NE 34-47	•	•	٥.		•							•		၁					•		1,0	SE	34-4	•	•								•								•	80	7.
ARE 5	IGHTS (	22-33	•	٥.	m, c		∞ ·			•			•	•				•			•	8			22-33	•			5	æ.		9.			•			0					•	4	3.5
	SEA HE	11-21		1.6			.2	•	~	•	0	•	•		•	•	•			•	•		4.2		11-21		•	•	1.5						2		9				•	•	•	~	6.2
	VERSUS	4-10	ď	1.5	.7	.2	-	•	0	•	•	•	•	•	•	•	•	•	•	•	•	S	2.8		4-10		8	1.1	.7	5.	•	•	•	ò	9 6			•	•	•	•	•	•	4	3.6
MARCH Able 18	DIRECTION	<b>™</b>	•		-•	•		0.	0	•	•		•			•			•	•	•	8	•5		1-3							•								•	•	•	•	4	e•
MARC! TABLE	(KTS) AND		~		66				ın ı	•	7		0	0 (	<b>&gt;</b>	0	0	0	0	၁	- 1	12	•			15					FT -	σ.	<b>1</b> 1	~ _	4 C	c	0	0	0	0	0	0	0	12	•
	SPEED	48+	•	•	0,0	•		•	•	•	•		•		•	0	•	•		•	•	0	•		48+	•	•	•	•		•	•		•						•	•	•	•		7
	OF WIND	34-47	•	•	၁့ (		-		•					0				•		•	0	2	4.		24-47	•	•			-													0	<b></b>	
	T FREG (	N 22-33			<b>.</b>	•			ů.		0	•	•	9 (	•	0	•	) ·	•	•	0	3	3.2	ш	22-33	0									90					•	•	•	0	2	2.5
70	P C		•	•		•																O				•		•															0.5	4	
1963-19		4-10	•		1.2				•				•					•				*			4-10	•																	• ;	7	
MARY) R-ALL)		1-3			<b>∵</b> •		•		•													. ,	•		1-3	m.			•						•							•	o.	0 1	ŗ
OD: (PRIN			~	•	4 1 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		- 1	-	5 5	77	13-10	1 0	3 1 6	414	,	9 .	1	10	1 1	9	9 6	5 8	٠		HGT	-		1		-	0	9	יוני	-		3-2	6-3	3-4	1-4	9-6	1-7	8	+ 18	- •	9

																										GRAND	62	245	203	199	160	717	7 6	4	۰	7	~ 1	~ 0	0	0	0	0	0	1156	100.0
	HARBOR 2W			TOTAL	~	21	23	26	1,7	- "	-	16	~	-	<b>→</b>	•	0	0	0	0	Э (		13.7			TOTAL	7	35	31	54	2:	9 :	• (6	5	0	0	0	90	•	• 0	0	0	0	144	12.5
	DUTCH HARBOR 165-172W			48+	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	:		<b>+8</b> +	•	•	0	•	•	•		•	•	•	•	•	•	•	•	•	•	0	•
	AREA 0008 51-55N	(FT)	<b>X</b>	34-47	•	•	•	•		•	: :	4	∹:	•	7	4	•	•	•	•	•		1.5		Z.	34-47	•	•	•	•	:		: 7		•	•	•	•	•	•	•	•	•	13	1:1
	AR S	HEIGHTS (			•	•	~ .	ů.	: -			6.	٦.		•	7	•	•	•	•	•	. 6	5,1			22-33	•	•	m.	<b>.</b> (	jr	. "	2	~	•	•	•	•		•	•	•	•	97	7.7
. 1		SEA HE		11-21	•	6.		•		9		:	•	•	•	•	•	•	•	• ·	•	• r.	4.0			11-21	•	1.3	7.5	*	•		•	•	•	•	•	•	•	•	•	•	•	8 2	0.0
		VERSUS		4-10	4	1.0	٠.	•	: 9		::	•	•	•	°	•	•	•	•	•	•		2,3			4-10	٠.	1.6	::	. ·	:-	: -		•	•	•	•	•		•	•	•	•	4 ,	0.0
	18	AND DIRECTION VERSUS		1-3	o,	•	•	•	•	•	•	့	•	•	•	•	•	•	•	•	•	•	•			1-3	•	∹	:	•	•	•	•	•	•	•	•	•	•	•	•	•	•	m (	:
MARCH	TABLE 18			٠.	m 1		<b>⊸</b> •	o 6	. ~		~	•	-	0	0	9	3		2	2 (							_	~	<b>.</b>	•							~ ~		. ~	_	_	_	•		
		(KTS)		5			212																12.3			TOTAL																	•	144	7.
		SPEED		48+	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•			4 4 4	·	•	•	•	•	? :	:	•	•	•	•	•	•	•	•	•	•	7	•
		OF WIND		34-47	•	•	•	•	? :		•	•5	•	•	•	•	•	•	•	•	•		4			34-47	•	•	•	•	: `		7	-	· ·	•	•	•	•	•	•	•	•	<b>o</b> 4	:
		FREQ	s	22-33	•	•	•			. 8		۳.	7.	•	•	, c	•	•	•	•	•	• 4	4.2		3	22-33	•	•	•				.2	6.	-: '	•	•	•	0	•	•	•	• 6	67 6	3
	0,	PCT		11-21	• •	0.	0 4				•	:	•	٠	•	•	•	•	•	•	•	57	4.9			11-21	•		* .	7 0	. «		•	•	•	•	•	•	•	•	•	•	• 6	,	;
	1963-1970			4-10	7.	† • T	* "	. "	•	•	•	•	•	•	•	•	•	•	•	•		30	5.6		;	4-10	0.	•	•	-	•	•	٦.	•	•	•	9	•	•	•	•	•	• 4	•	•
				1-3	•	•	•	•	•	•	•	•	•	o c	•	•	•	•	•	•		; →	:		,	1-3	•	•	•		9	•	•	•	ė,	•	•	? •	•	•	•	•	•	4 0	:
	(OVER-ALL)			HG1	<b>;</b>	7.	7	2	8-8	10-11	15	13-16	17-19	20-22	67-67	76-07	99-140	04-04	00111	71-86	87+	TOTAL	PCT		•	HGT	₹.	1-2	1 4	2	8	10-11	12	13-16	17-19	23-25	26-32	33-40	41-48	49-60	61-70	1-80	+ 10 +	1 F J G	2

				-	TENERS TARROLLING OF STATE	¥ 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4				:											
PERIOD (SEC)	₹	1-2	3-4	2-6	-	8-9 10-11	10-11	15 1	13-16 1	7-19 2	0-22 2	3-25 2	6-32 3	13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	1-48 4	9 09-6	1 01-1	1-86	87+ 1	TOTAL	MEAN
9	• 2	7.0	7.8	4.7	2.2	2.0	0.	9.	•	•	•	•	•	•	o	•	•	•	•	322	4
4-9	•	1.1	4.9	10.8	9.9	3.3	2.4	1.3	1.3	4.	-:	٦.	•	•	·	•	•	•	•	428	•
6-8	•	4.	5.4	3.3	5.4	4.0	5.6	1.1	1.8		•	•	٦.	•	•	•	•	•	•	275	7
10-11	•	6	6.	.7	1.0	5.6	1.6	1.1	6.	.2	٠,	.2	٦.	•	•	•	•	•	•	122	œ
12-13	•	•	0	۲.	.2	.2	9.	•2	•	•	7.	~	4.	•	•	•	•	•	•	32	14
>13	•	•	0	•	•	•	~•	-	9.	•	٠.	•	•	•	•	0	•	•	•	17	11
INDET	5.3	•	0	•	0.	•	0	•	•	•	•	•	•	•	•	•	•	•	•	89	0
TOTAL	2	111	221	549	201	161	103	26	67	ው	4	5	7	0	0	0	0	0	0	1264	9
PCT	5.5	8.8	17.5	19.7	15.9	12.7	8.1	4.4	5.3	.7	ů.	4.	•	•	•	•	•	•	0	0.00	

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

	TOTAL		139	49	71	52	88	78	131	152	186	129	192	223	309	154	175	139	0	23	2305	100.0
1ENA	NO S I G	WEA	6.4	5.4	2.3	1.6	5.4	2.3	3.0	4.3	5.4	3.8	9.9	7.4	11.2	5.5	5.6	4.8	•	6.	1713	74.3
WEATHER PHENOMENA	DUST BLWG DUST	BLWG	*	•	•	*	•	•	ပ္	°.	•	•	•	•	٠	•	0.	•	•	•	7	.1
	S I		•	•	•	•	•	•	•	•	7	7	*		•	•	•	-	•	•	13	•
OTHER	504	PCPN	.1	•	٠,	*	•5	2.	4.	4.	.7	<b>.</b>	-:	.2	7	*	• 1	7	•	*	72	3.1
	THDR		•	•	•	•	•	•	•	•	•	0.	•	•	•	•	•	•	•	•	0	•
	TOTAL	088	24	0	17	14	27	19	53	43	43	35	38	45	45	34	37	54	0	7	505	
	PCT FREQ PCPN AT	OB TIME	1.0	4.	.7	•	1.2	φ.	2.3	1.9	1.9	1.4	1.6	2.0	2.0	1.5	1.6	1.0	•	*		21.9
	HAIL		•	•	•	•	•	•	*	•	*	•	*	7		•	7	•	0	•	13	•
TYPE	DTHER	PCPN	•	•	Ģ	•	•	•	•	•	•	•	•	0	•	*	•	0	•	•	<b>~~4</b>	*
TATION	NONS		1.	•5	.3	•5	4.	7	e.	<b>.</b>	•5		-	• 2		6.	1:1	6.	•	*	166	7.2
PRECIPI	FRZG PCPN		•	•	•	•	*	•	•	•	•	•	•	•	•	•	•	•	·	•	<b>-</b>	*
	DRZL		.2	-	.2	ď.	m.	.2	0.1	•	-	5.	5.	.5	4.		• 5		•	•	140	6.1
	RAIN		•	*	-:	•	-	*	•	*	•	.2	m.	.2	.2	*	∹	-	•	•	33	1.4
	RAIN		•1	*	• 5		•	.5	1.0	1.	1.0	. 7		9.	5.		•5	*	•	•	174	7.5
	WND DIR		z	NNE	N.	ENE	w [†]	ESE	SE	SSE	S	NSS	X.S	MSM	3	3 2 3	Z	Z	VAR	_	TOT 085	

TABLE 2

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TOTAL	085				555		
IENA NO	SIC	75.6	74.7	73.0	73.5	1731	76.3
PHENDA UST	G DUST	•	0.	•	4.	7	
OTHER WEATHER PHENOMENA FOG SMOKE DUST NO	AZE BLW	9.	.8	4.	4.	13	9.
OTHER OG SP	L NGO	2	١.٠	.5	.5	92	6.1
FHOR F	LTNG	0.	e 0.	.0	• 0	0	9
	PCPN OBS						
	PCPN AT OB TIME						
HAIL		•	5.	٠,	٠,	13	9.
ITATION TYPE SNOW OTHER	FRZN	•	•	•	.2	<b>.</b> →	*
SNOW		6.8	6.1	6.8	<b>8</b>	166	7.1
PRECIPITA	P P P P P P P P P P P P P P P P P P P	•	.2	0	•	-	*
P DRZL		5.2	\$. 6	5.4	6.9	140	0.9
RAIN	SHER	1.9	1.2	1.2	1.3	33	1.4
RAIN		5.5	7.8	10.9	6.5	178	7.6
HOUR	CLWS	60300	60390	12615	18621	101	₽C⊥

			21	9.0							•	-:		4				•	0													
	BOR		18	6.1			•	•			•	•	•	'n		•			0	0			21	6	6.	, «	•	80	œ (	٠, ٥		200
	HAR 72 W		15	2.9			•	2.2			•	· -			•	•	•	•	e	0			89	6 7	91	7 7	3	2 21	1 18	•	<b>.</b>	93 100
	DUTCH 165-1		(GMT) 12	9.0		•	0	•		•	•	•		9	•	•	•	1:0	D.	0.00			<b>K</b>	7 8	41	* 0	0 15	6 17	1 19	<b>5</b> 1 <b>5</b>	200	0 100
	A 0008		HOUR 09	6. K										7			•	•	Ξ	0000			~ ~ ~	6	21	- 7	7	5 20	7 22	15		7 13 0 100.
	ARE	œ	90	7.7			•	•		•	•	•	• •	3	•	•	•	2.0	87	• 0 1			2 CM	8	41	12.	13,	18.	21.	12.	• -	4 49
		BY HOUR	60	6.1			•			•	*	'na	פי ים	2.3	-	•		• •	1	0			400H	80	4.	•	7	23.	18	14.	• •	7 11 0
		AND	00	0.0			•			•	'n	2 4	100	0.9	٦.	•	•	1.9	35	0.0			0	11.	•	9	13.	16.	17.	14.		100.
		SPEED										•	<b>-</b>							01			03	8	ค่	'n	14.	21.	22.	*	• •	114
		TON BY																					0	•	•		3	7	•	•	• •	632
	m	DIRECT	MEAN	14.4		5	•	0 8	; ;	-		•	5 6	ò	8	5		•			A6											
APRIL	TABLE	MIND	PREQ	6.5		•					•	•	• •	•	•	•	•	1.7		0.00	TABLE		MEAN	5	5	16.6	-	6	100	•	•	
		ENCY OF	TOTAL UBS	173		O		<b>3</b> 10	1	2	2	9		~	0	~		4	4	-			PCT PED	•	•		6			•	1.7	•
		FREQUENCY	<b>48</b>	0.0				9 9									•		11				TOTAL 08S	5	<b>•</b> •	331	~	0	W L	_	4	
		PERCENTAGE	74-47	24	? -:			J. r.							4.		•	•	142				41+ T	•	<b>*</b> -	• 60		4.	m i		2	38
	99	PER(	(KNOTS				•	0.4		•	•	•	• •	•	5	•	٠ <b>.</b>		04/	•		2	8 140	1.1	•	9.7	•	•	•	•		403
	945-197 901-197		D SPEED 1-21 2	2.7	• •	•	•	2.2	•	•	•	•		•	•	•	•	:	0411	1			7-27 2	•	•	7			•	• (		1054
	ARY) 1		-10 H	2.1	0	•		1.2	•	•	•	•	2.6		1.5	•	0	•	0 90			2	16 1	•	•	0		•	•	•		935 3.7
	(PRIMAF		0-3 <del>4</del> ·	5.	. m		~ -		_	4.	، ⊷		. 4	0	2		•	~ 0	7	.4 2			·. 9-0	<b>S</b>	— a	, m	6.	.2		10	•	44
	PERIODI		WND DIR	. Z Z Z	Z	ENE	m n	n S E	SSE	S	300	1 3 0 0 3	3	323	3 7	3 C	VAR	CALM	200	OT PCT			WND DIR	Z	- -	SE		3	3	t oc	ALM	OBS PCT 1

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													TOTAL OBS	120	5.5	64	42	63	74	101	132	108	1 7 8	178	269	134	144	110	0	N	1934
80R										>4/8)			NH <5/8 ANY HGT	2.2																	24.8
DUTCH HARBOR 165-172W										(FT.NH >4/8	1.0N		8000+	ç	0	0	0.	•	•	•	-:	• •				•	•	•	0	0 (	.1.
											DIRECTION		6500	~	•	0.	•	.1	°.	0.	o c	•		0	.1	•	.1	0	•	. K	າ ທີ
A 0008										IG HEIGHTS	DNIM		5000	•	0	.1	•	•	·	7	• •				• 2	•	0	0	0 0		0 4
ARE		TOTAL OBS	746	101	294	174				CEILING	<5/8 BY		3500	6	•	•	٠.	-:	• 5	٦.	ē. <				.3	.3	£.	2.	· ·	5.7	2.9
	£					7	0		TABLE 6	CY OF	I		2000			.2	•	4.	4.	4.	•		1.6	1.6	1.6	.7	•	5.		216	11.2
	R (GMT)	PCT	100.0	-	-		100.0		TA	FREQUENCY	NCE OF		1000	2.0	1.2		•	6	1.4	1.2	1 . 4	1.7	2.2	2.4	4.2	2.2	5.4	2.5	•	576	29.8
	BY HOUR	MEAN	17.7								DCCURRENCE		999	1.0		6.	4.	1.0		9.	2.0	100	1.5	1.1	2.7	1.6	1.4	0.0	-	389	20.1
4	SPEED	CALM	1.0	. 80	2.4	47	1.7			ERCENTAGE	AND D		300	٦.	•	.1	7	<b>-</b>	*	ů,		2	.2	4.	٠.	2.	<b>س</b> ر	, c	•	74	3.8
TABLE	NINDS	(KNDTS)	1.6	, m		1	*.			PE			150 299	0	0.	۲.	-:	0	7	Ξ.	:-	: -				7	٠.	0,0	•		6
	NCY OF	SPEED (	4.5	4	4.9	142	2.1						0000	6.	•		.5	2.	7.	0.0	. 0	. 10	.2	4.	4.	•5	٦,	~ •	• -	111	5.7
	FREQUENCY	WIND 22-33	26.8	26.5	27.5	746	20.9																								
	PERCENTAGE	11-21	37.5	2:	•	14	•			(EIGHTHS)		MEAN	OVER	5.6	•	•	•	•	•		•			•		•	•	•		9	•
	PER	4-10	24.4		6	28	•						SAL	120	21	64	74	10		107	168	114	158	178	692	134	441	9	, [	934	0.0
		1-3	9.6	•	•	0	•		20	AMBUNT	DIRECTION	,	101	0	4	0 6	,	<b>*</b> 0		o (4	, m	5	5	<b>6</b> 0	01		<b>- ۱</b>	٠.	•	4	10
5-1970		HOUR	6030	2515	8621	101	2		TABLE	CLOUD	WIND DIR	(	380	8	7	<b>-</b>	۰ ۲	<b>ν</b> τ	۷ ،	<b>.</b>	<b>.</b> •0	, CO	4	m	<b>1</b> 0	~ (	<i>.</i>	7			52
194		_	ŏŏ	7	7		_		·	TGTAL	BY WI	٠		2.	•	•	•	•	•	•		1	2.	e (	'n.	m (	'n	,	• •	59	30.
(PRIMARY)										REQ DF		•	5 2 2 m	•	•	•	•	•	•	2.6	•	•	1.	2	-	•,	-	•	•	8 197	10.
_										PCT F			5		•	•	•	•	•	•			•	•	;	•	•			. ~	
PERIODI													N O ON M	Z	W Z	w u	2 L	ם נו	100	200	S	NSS	MS	ESE	*	Z	¥ 32	247	CALM	TOT 085	TOT PCT

A .

TABLE 7

AREA 0008 DUTCH HARBOR 51-55N 165-172W

CUMULATIVE PCT FREQ OF SIMULTANEDUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

	OR	?	4.	80	3.8	6.4	44.6	9.49	68.4	69.3	75.1	1460	
	. OR	>50YD	4.	60	3.8	14.9	44.6	9.49	68.4	69.3	75.1	1460	
	■ 0R	>1/4	4.	ω.	3.8	14.9	44.6	9.49	68.4	69.3	74.0	1450	
_	• OR	>1/5	4.	80.	3.8	14.9	44.6	4.49	68.1	68.9	72.8	1415	
VSBY (NM	• OR	7	4.	60	3.7	14.9	44.3	63.7	67.2	68.0	71.2	1384	
	■ DR	>5	4.	00	3.7	14.6	43.1	60.7	63.4	64.0	65.9	1281	
	• 0R	>2	.3	.7	3.3	13.4	38.1	50.5	52.0	52.3	53.1	1032	
	. OR	>10	6.	9.	2.3	8.9	22.8	27.9	28.5	28.7	28.7	559	
	EILING	FEET)	>6500	>5000	>3500	>2000	>1000	>600	>300	>150	0	TOTAL	
	ฉี	Ξ	• R	• 9	R	9	. OR	■ OR	• OR	. OR	• OR		

TOTAL NUMBER OF OBS: 1945

PCT FREQ NH <5/8: 24.

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 GBSCD GBS 2.6 1.5 6.2 7.5 6.7 7.5 13.7 12.8 36.2 5.3 2042

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		PCT	1.7	1.0	900	6.3	7.1 25.1 32.1	40.0	100.0
		TOTAL	19 38 57	38 22 60	90 46 136	146 178 324	163 577 740	939 986	2303
_		CALM	0,# ~	000	* 0, -	0, # ~	01.0	188	23
HARBOR 2W		VAR	000	•••	000	000	000	000	00
DUTCH HARBOR 165-172W	PRECIPITATION	N N	000	o. #	1.2.8	6.62		3.0 72	139
AREA 0008 51-55N	REC IP 1	Z	o.* ~	* O ¬	400	2.5	1.7	3.7 92	173
AREA 51-	90	X X	1007	1.00	4.1.1	22	6.00	2.7	154
	URRENG	x	* i-4	10.2	 101	1.3 7.6	4.5	5.8 142	309
	OR NON OCCURRENCE: VISIBILITY	MSM	044		103	94.8	2.7 82 82	4.0 100	224
	SE OR N	MS	0.10	0.4.0	6.52	446	2.5	3.2	192
80	URRENC	MSS	# 0,10	.1.8	1.78	6.00	1.2	2.0	130
TABLE	VS DCC	S	* 4.0	01.6	4.40	1.0	2.1	2.5 59	185
	RECTION VS OCCURRENCE WITH VARYING VALUES OF	SSE	4:0	404	9.06	7.0	3.5	2.2	152
	WIND DIRE	SE	2.5	~ * n	2.44	1.0	35	1.4	131 5.7
	OF WIN	ESE	* * ~	°, * ₪	<b>.</b> o	.5	.1 .8 22	1.0	3.4
	FREQ	m	* - <u>*</u> w	6.20	440	13.5	200	1.1	3.8
	PERCENT FREQ OF	ENE	* o. ~	* * ~	·• * 4	wo.	12	1.1	52
1970	<b>a</b> .	NE	* oʻ -	* w	 	22.0	.27.22.21	1.1	3.1
1945-1370 1901-1970		NNE	000	##~	10.6	4.1.4	1.0	1.3 31	2.8
(PRIMARY) (OVER-ALL)		z	vi # №	NO.	· * *	1.57	1 • • • • • • • • • • • • • • • • • • •	3.4 *	139
			PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP . NO PCP TOTAL	PCP NG PCP TOTAL	PCP ND PCP TOTAL	TOTAL PCT
PERIODI		VSBY (NM)		1/2<1	1<2	5 < 2	5<10	10+	

2.2

0 28 34 73

2.12.12.25.5

3 29 57 59 69 158

13.00

11 45 142 164 362

1.1 4.5 13.2 12.3

29 123 361 337 850

3.1 13.2 19.1 9.8 45.2

100.0

2743

39

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TOTAL PCT

	DUTCH HARBOR 165-172W		TOTAL 065	507	488	460	508	1963
	AREA 0008 51-55N	Q.	NH <5/8 ANY HGT	28.6	23.6	25.0	24.6	500
	AR	A4(8),A	TOTAL	71.4	76.4	75.0	75.4	1463
		PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8), AND OCCURRENCE OF NH <5/8 BY HOUR	8000+	•	•5	• 5	•	21.
		HTS (FI 8 BY HI	6500	•2	9.	•	•2	20
1.	10	G HEIGH	2000	.2	4.	.2		æ 4.
APKIL	TABLE 10	CEILIN	9500	3.2	3.1	2.8	2.8	3.0
		CY OF CURREN	2000	11.8	11.9	10.4	10.2	218 11•1
		REQUEN OC	1999	18.7 27.6 11.8	31.1	21.3 27.6 10.4	31.5	579 29.5
		CENT F	666	18.7	18.9 31.1	21.3	20.5	389 19.8
		PER	300	4.5	4.1	2.8	3.5	3.8
			150 299	1.0	1.0	• 5	1.2	17
	970 970		149	4.1	5.1	9.3	4.7	113 5.8
	1945-1 1901-1		HOUR (GMT)	60300	60390	12615	18821	T07 PCT
	PERION: (PRIMARY) 1945-1970 (OVER-ALL) 1901-1970			_	_			
	PER 100:							

TABLE 12	CUMULATIVE PCT FREQ DF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	<pre>&lt;600 &lt;1000 1000+ NH &lt;5/8 TDTAL &lt;1 &lt;5 AND5+ AND 5+ DBS</pre>	11.4 36.9 56.9 26.3 502	11.3 36.3 41.4 22.3 485	13.8 41.2 35.3 23.5 456	10.8 37.8 38.6 23.5 502	229 739 741 465 1945
	IVE PCT I	<150 <50YD	4.2	5.2	10.1	8.4	116
	CUMULAT	HOUR (GMT)	60300	60390	12615	18621	T0T
	~	TOTAL OBS	502	485	456	505	1945
	3Y MOUR	10+	23.1 53.0	28.5 51.5	33.6 42.3	47.8	676
-	(MN)	5<10	23.1	28.5	33.6	28.1	548 949
TABLE 11	CY VSBY	5<5	13.9	4.4	15.1	15.1	292
	FREQUEN	1<2	4.8	0.9	5.7	5.4	106
	PERCENT FREQUENCY VSBY (NM) BY HOUR	1/2<1	5.4	1.6	4.	2.4	56
	_	<1/2	2.8	2.7	5.9	1.2	46
		HOUR (GMT)	0000	60390	12615	18621	TOT

PERIOD: (PRIMARY) 1945-1970 (OVER-ALL) 1901-1970

AREA 0008 DUTCH HARBOR 51-55N 165-172W

		CALM	7.	•1	4.	80	ē.		7	37	2.0			OTAL	590	200	403	100	/ A
	TEMP	VAR	•	•	•	•	•	ે.	•	0	•		HOUR	T NA	60	0 (	0 4		20
	<b>8</b>	3	•	.2	•		3.9	•	~	241	12.8		8	100 ME	33.8	7.1	. r	101	172
	LECT IO	K	-	4.	3.7		2.8	'n.	•	366	19.4		HUMIDITY	001-06 61					
14	OF WIND DIRECTION	MS	7.	Φ.	5.3	•	• 5	.2	Τ.	~	16.7	91		80-89	29.4				
TABLE 14		S	7.	.7	6.3	6.7	٠.	•	•	271	14.4	TABLE	RELATIVE	70-79	23.4	•	* 4	•	*
	FREQUENCY	SE	•	ů	5.5	9.9	ņ	7	•	240	12.7		NCY DE	69-09	111.1		0 0		140
		ш	•	٦.	1.5	4.7	1.0	٦.	•	139	7.4		FREQUENCY	90-59	2.9		. "	• (	9
	PERCENT	Z W	ô	4.	Φ.	3.5	1.1	ď	•	109	5.8		PERCENT	0-29	0.5	•	• •	•	<b>→</b>
		z	•1	.2	1.2	3.8	3.0	e.	4.	169	9.0		•	HBUR (GMT)	00603		18621		5
	F	FRED	4	3.1	25.9	53.4	13.5	3.0	.7	100.0									
	OTA	088	7	28	488	1008	255	27	14	1887			HOUR	OTAL OBS	748	3	0 4		75
	BY TEMP	90-100	•	'n	10.5	25.2	5.7	1.6	~	166	40.6		) BY H(	AN TO	0,				
		80-89		0	7.4	7			Ģ	595	1.5		(DEG F	Æ	2 39	700	100	1 .	1 3
	HUMIDITY	70-79 80	.2	0	5.5	• 5	•	9.	'n.	349	8.5 3		TEMP (	W WI	5 2 2				
13	IVE H		.1		4.	٥.				46	.7 1		40	-	26				
TABLE	RELATIVE	69-09 69	0	7	3 2		~	0	0		,5 7	15	PERCENTILES	38	92	י ר	9 K	3 6	10
	CY OF	9 50-59	0.								1	TABLE		50%	39	) (	0 4	, 0	9
	FREQUENCY	64-04											S AND	95%	4.5	7	4 4		1
	ERCENT FR	30-39	•										XTREME	*66	4 4 80 R	. 4	14	4.	D #
	PERC	0~59	.1	•	0	•	•	•	•	1	.1		MEANS, EXTREMES	MAX	53	, K	<b>1</b> 4	7 4	1
		TEMP F	50/54	45/49	44/04	35/39	30/34	25/29	50/54	TOTAL	PCT		2	HOUR GMT)	00000	12615	18621		<u> </u>

PERIOD: (PRIMARY) 1945-1970 (OVER-ALL) 1901-1970

TABLE 17

AREA 0008 DUTCH HARBOR 51-55N 165-172W

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

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¥

	HARBOR 72W			TOTAL	1 1	10	7	~	<b>3</b> (	<b>o</b> -	<b>→</b> C	• •	0	٥	0	0	<b>3</b> (	<b>&gt;</b> C	• •	• 0	35	3.0		TOTAL						53		<b>P</b> 101	٠,	0	0	0	0	0	0	0 (	00	166	•	•
	165-17			484	9 0	0	•	•	9 0		•	0	•	•	•	•	0.0	•	•		•	•		48+	•	•	•	•	•	0	•		•	•	0.	0.	o,	0	•	٠, ٥		•	•	:
	A 0008	ET.	¥	34-47	. 0	•	•	o.	•	•		•	•	•	•	•	•	•			•	0	SE	34-47	0.	•	٥.	•5	.2	ů,	ů -	. 0	•	•	•		•	•	•	o c		- 2	1.0	
	AREA 51-	HEIGHTS (	_		9	2	0	•	•	•		0	0	C.	c.	•	•				M	E.	•		•	0.		•	2.2	•	•	, 4	:	•	•	0	•	•	•	•	ģ	7.	4.9	•
		SEA HE		11-51	. •	*	• 5	•		•	• •	2	•	•	•	•	•	2 9	9		18	1.6		11-21		80	1.0	1.6	1.0	4	• "	0	•	•	•	•	•	•	•	o c	•	9	5.5	
		VERSUS		4-10	•		7.	7.	ċ.	•	9 0	•	•	•	0	•	•	9		9	13	1.1		4-10	• 5	.3	٠,		6		•			•		•		•		•	•		1.6	
	18	DIRECTION		1-3	• •	•	•	-; '	•	•		•	•	•	•	0,	•	• •		0	<b>;</b> →			1-3	•	•	•	•	•	•	•	• •	0	•	•	•	•	•	•	•	•	•	•	,
APRIL	TABLE	AND DI			- 10		_	<b>.</b>	•	<b>.</b> .			_	_	_	0									n	_	•		Δ.	•	_ ~	<b>.</b> 4	. ~	_	_	_	•	~ .	٠,	~ <i>c</i>	~ ~		. 0	
		(KTS)		ATCT	2	7	ĭ		•	•			_	•	_			-			80	7.		TOTAL	•••	<b>-</b>	ĭ	<b>~</b>		•		•	Ŭ	Ŭ	Ū	•	•	•	•	•		80		
		SPEED		48+	•	•	•	•	•		90	•	•	•	•	•	•		•	0	0	•		48+	•	•	•	•	•	o c	•	0	•	•	•	•	•	•	•	•		90	•	
		OF WIND		24-47	•						•			•	•						• • •	7.		34-47	•	•	•	•	•1	0.0	9.0	2 %		•	•	•					•		.7	
		T FREG (	z	22-33	•	.2	0	•						•	0	•		•			15		w	22-3	•	°.	.3	e.	٦.	<		2	0	•	0	• ·	•	9	•			19	1.6	
	0	PC	_	- 0	•			-:		•		•			•			? ?	0	•	35	2.8						~			•				•				•			33		
	1963-1970			4-10	• •			•		9 0		0		0						•	35	3.0		4-10		æ ·	4.	ů.								o c		•	•	9 0	•	20	1.7	
	VER-ALL) 1			1-3	•		•	•		20	? •	•	•	•	•	•	•		0		~	7		1-3	0											•					9	-	7	
, , , ,				HGT	1-2	3-4	2-6	0 0		12	3-1	7-1	20-22	3-5	6-3	3	4 - 0	1-7	1-8	87+	TOTAL	CT		HGT	₹.	1-2	3-6	٠ <u>٠</u>	0-0	200	121	3-1	7-1	0-5	3-5		1	4-0	7 10	1 8	87+	TOTAL	S	

TABLE 18

																								GRAND	45	171	198	232	187	158	9.6	30	52	4	æ	e	2	0	0	0	0	0		1156	•
		TOTAL	•	52	4 6	4 4	31	24	m	m	0	-4	0	0	0	0	0	0	0	0	2	19.1		TOTAL	'n				10		60	<b>~</b>	M	0	0	~	7	0	0	0	0	0		119	•
		48+	•	0.0					•			•	•	•	•	•	•	•	•		0	•		48+	•	•	•	•	•	•		•	•	0	•					•	•		0	c	•
FT.)		34-4		•							•						•		•			80	2	34-47	•						•			•					•				•	٥	5.
HEIGHTS (F	S			••	•		1.5		.2	e.			•				°.		•	0.	81	7.0	_	22-33	•	•					4.		e.	•									0	'n	
SEA HEI		11-21	•	9.0	•	• •		٠,		o.		o.	•	•	•	·	•	•	•	•	63	8.0		11-21	•	•	1.3	•	• 5	n.	ů.	•	°	၀	0	•	•	•	•	•	•	•	0.5	Λ	4.5
VERSUS				س					0.			•	•	•	•	•	•	•	•	0.	33	6		4-10	.3		1.1	•				•	c.	°.	•			•	0				0!	V	
ECTION		1-3	4	•		•					•	•	•		•		°.	•	•			4.		1-3	.2	0	7.	•	o.			•	•	•	•	•	•	•	•	•		0	•	*	•
AND DIR													_	_	_	_	_	_	_		_				F-24	_								_											2
(KTS)		TOTAL	01	24	7 7	32	24	20	N	•	0	0	0	0	0	0	0	0	0	0	8	15.5		TOTAL	ω,	6	4	89	4	4	25	•	m (		~	7	0	0	5	5	0	<b>D</b> (		7	•
SPEED		48+		o c															°	•	0	•		48+	•	•					•					-				o o		•	o c	7	7.
OF WIND		34-47		٠ •					•				•	0		•	·	•	•	•	80	1.		34-47			•						•	•	•		•						? :		
T FREG C	S	22-33		o r	•					4.		•											3	22-33			•	•		•	•												o 6	-	
d	•	11-21		•	•																		_	11-21	•	•	•	•		•													0.4	ζ,	•
		4-10	•	. «																	S			4-10	5	1.1	•	•	-; ‹	·	•	•		•	္	ວຸ ເ	•	o e		•	<u>.</u>		9.6	ŋ	5.5
		1-3		•																		-2		1-3	~	m.	-	•	0.0	•		•	9.0	•	•	<b>.</b>	0	•		•		o c		<b>0</b> V	•
		HCT	₹.	1-2	1 10	<u>^</u>	8-9	10-11	7.7	3-1	17-19	0-5	3-5	6-9	* *	* (	01	-	1-8	87	TOTAL	$\vdash$		HGT	7	1	3-4	Ĩ 1	-			7 [	7 .		7-0	3-6	6-3	3-4	<u>.</u> .	10	- 1	1 0	<b>D</b> C	4 H	د

																										I								
																										TOTAL	0	450	3	~	35	15	-	1280
~																										87+ 1	0					•		
HARBOR																										1-86						•		0
<b>В</b> 165-17																										1-70 7	0	•	•	•	•	•	•	0
0008 55N																										9 09-6						•		0
AREA 51-																									~	1-48 4						•		0
		AL	56	71	00	32	87	58	86	30	25	4	m	m	7	0	0	0	0	0	0		•		ECONDS	3-40 4						•		0
		TOT	0	~	~	7	-	-													4	-	100		R100 (S	-32 3						0		~
	(FT)	48+			0																	7	.2		P	-25 26						•		m (
£	HEIGHT	24-47	•	•	•	•	•	•	1.3		'n	•	•	.2	~	o	•	•	•	•	0	0	4		VS WAVE	-22 23						2.		
8 (CDNT)	SEA	2-33	•	•	2.4	1.4	Ø 1	4.7	5.5	1.3	1.8	6	ď.	•	o c	•	•	•	•	•	•	n	31.3	•	(FT)	-19 20						0,1		
ABLE 1	TS) VS	-21 2	•	•	4.	•	•	•	•	80	0	•	•	•	•	•	0	•	•	•	• (	*	2	ABLE 1	HE I GHT	-16 17	0	1.7		٥.	9.	4.	<b>.</b>	ຕຸ
۲	EED (K	10 11	•	•	φ,	•	۰.		∹:	0	•	•	0	0	0	9	•	0	٠ •	0	• (	0	•	-	. WAVE	12 13	7.	1.3	•	4.	7.	7.	<b>.</b> .	, t
	WIND SP	3 4-			en c		<b></b> (	•	0	0	0	0	0	0	0 (	<b>.</b>	0 (	0	0	0			-		NCY JF	-11	5	5.9	•	œ.	9.	•	• (	071
	3	0	2.																		• (	n			FREQUENCY	-9 10	•	.3	ď.	•	٠,٠	7.	. (	•
		HGT	₽	1-2	3-4	0	~	1	10-11	12	7	7	-2	-2	'n.	*	4	۱۹	61-70	P 1	+ 20	101AL	PCT		ERCENT F	7 8	4.	9.1 6	•	<b>.</b>	<b>س</b> (	0,0	20	7. 602
70																									PEF	9	2	<u> </u>	0	m	٠.	o c	<b>.</b>	٠ د د
963-1970																										-4 5	-4	,8	0	0	0	0,0	ء د	5 t
ARY)  -ALL) 19																										2 3.	7	4				•	-	٦:
PRIMAR OVER-AL																										1 1-3	4	•	•	•	•	0.	• •	_
_																										~	•	•	•	•	•	•	9	6
P <b>e</b> R <b>I</b> OD																										ERIOD	20	2-7	6-6	11-	-13	113	147	4 1 1

	61-70	o c	•	•	•	•	•	•
	49-60 61-70	÷.	•	•	•	•	•	•
20		o c	•	•	•	0.0	•	•
SECUNDS	26-32 33-40 41-48	0,0	•	•	•	•	•	•
rekiud (	26-32	0.0	. ~	•	•	0 0	<b>?</b> ~	• 5
MAVE PE	23-25	0.0	. 0	•	7	0.0	m	•5
E 7	12 13-16 17-19 20-22 23-25	0.0	7	• 5	2.0	70	12	6.
	17-19	0,0	'n	s.	~	9 0	14	1.1
	13-16	0.1	9.0	0.	•	• 0	85	9.9
3444	12	4.6	1.4	4.	~ .	. 0	45	9.5
בי ב	8-9 10-11	2.0	4.6	œ ·	•	0	120	4.6
	8-9	1.6	5.5	1.4	<b>.</b>	. 0	197	15.4
	7	4.0	7.0	1.3	m c	9	269	21.0
	2-6	5.2	3.0	m,	;		210	16.4
	3-4	7.1	6.	0	0,0	•	163	12.7
	1-2	4 0 00		•	o c	•	72	2.6

HEAN HEAN 100 111 000

PERIO

				ς.	~	<b>1</b> 0	0			~	~	60	_	_	_	•	<b>~</b>	<b>10</b>	<b>~</b>	_	0	0	0	
BOR		TOTAL	200	176	80	13	100	12	114	14	123	17	87	18	161	54(	141	18	15		9	2400	100.0	
DUTCH HARBOR 165-172W		ENA NO	MEA	6.1	2.4	3.2	2.5	3.0	2.5	3.5	2.5	5.5	2.4	5.6	5.1	8.6	5.3	4.9	5.5	*	2.1	1722	71.8	
		OTHER WEATHER PHENDMENA OG SMOKE DUST NO OG LATE BLUG DIST ST		•	•	•	•	*	•	•	•	•	•	•	°	*	٥	•	•	•	°	7		
AREA 0008 51-55N	8	THER PH DUST																						
AREA 51	RECTI	SMOKE SMOKE	740	•2	•	•2	*	*	*	•	*	•	•	*	•	•	•	•	•	•	-	54	1.0	
	WIND DIRECTION	100 d	PCPN	.1	•2	•		9.	9.	₩.	9.	6.		€.	*	4.	ė	4.	7	•	-:	185	7.7	
	<b>6</b>	THOR		•	0.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.	0	•	
	OCCURRENCE	TOTAL	OBS	23	20	39	32	33	38	37	46	30	17	33	88	30	14	21	22	0	4	467		
TABLE	WEATHER	PCT FREQ	OB TIME	1.0	60	1.6	1.3	1.4	1.6	1.5	1.9	1.3	.7	1.4	1.2	1.3	9,	6	6.	•	•2		19.5	
	NCY OF	HAIL P		•	•	•	•	•	•	•	*	•	•	•	#	*	•	7	٠.	•	•	œ	e.	
	FREQUENCY		PCPN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•	
	ENTAGE	TATION SNOW 0		4.	•1	•5			*	•	7		*	-	•5	Ċ.	:	-	• 5	•	*	20	2.1	
	PERCE	PRECIPIT FRZG PCPN		•	•	•	•	•	•	•	•	•	•	0	•	•	•	•	0	•	•	0	•	
		PF		6	'n	00	5.		4		۰	-				* (	•		•	•	-:	181	7.5	
1969		RAIN		•	•	*	•	-:	7	•	*	-:	*	₹ '	∹'	7	* (	7.	•	•	•	54	1.0	
1942-1969 1899-1969		RAIN		•5	m.	8	æ .	0.			1.2	4		٠, ۱		•	7.	ب.	9	•	•	220	9.5	
(PRIMARY) (OVER-ALL)		WND DIR		z	ZZ	Z.	ENE	ш	ESE	SE	SSE	S	SSE	X .	M.S.M.	*	2	3 Z	2	VAK	CALM	TOT 085	TOT PCT	
<u>:</u>																								

OTHER WEATHER PHENDMENA FOG SMOKE LUST NO WO HAZE BLWG DUST SIG PCPN BLWG SNOW WEA 7.1 1.2 .2 71.3 8.8 1.5 .2 71.6 5.6 .4 .0 76.5 8.8 .8 .0 68.3 185 24 2 1748 7.6 1.0 .1 71.8 PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR THOR 000000 TOTAL PCPN OBS 135 111 97 132 475 HAIL PCT FREQ PCPN AT OB TIME 20.3 18.0 17.5 22.0 0 4 4 4 8 4 PRECIPITATION TYPE DRZL FRZG SNOW JTHER PCPN FRZN 000000 3.3 1.1 2.7 5.2 2.1 000000 4 W - 1 W - 4 O - 6 2,4,4,5 RAINSHWR

RAIN

HOUR (CMT)

9.0 9.0 9.0 9.1 9.1

00603 06609 12615 18621 7DT PCT

19.5

666 616 553 599 2434 100 • 0

		21	88 04 0 4 01 00 0 0 0 0 0 0 0 0 0 0 0 0 0		
HARBOR 2W		15 18	00000000000000000000000000000000000000	21	16.0 8.0 8.0 8.0 17.3 17.3 12.0 12.0 2.7 2.7 2.5
<b>Б</b> ОТСН 165-17		GMT) 12		18	000000000000000000000000000000000000000
0008 -55N		HOUR CG	+	15	7.00.001
AREA 51.		90	04000000000000000000000000000000000000	(GMT)	1100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001100111001110011100111001110011100111001110011100111001110011100110011100111001110011100111001110011100111001110011100111001110011001110011100111001110011100111001110011100111001110011100111001100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001110011100111001100110011100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011001100110011000110001100011000110000
	BY HOUR	60	00000000000000000000000000000000000000	HDUR 09	000000000000000000000000000000000000000
	D AND B	00	00 00 00 00 00 00 00 00 00 00 00 00 00	90	100 8 9 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
	Y SPEE		ŭ,	0	88 10 10 10 10 10 10 10 10 10 10 10 10 10
	TION B			00	001111100
m w	DIREC	MEAN	44144984444878891 4 4		
TABL	OF WIND	PCT	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	40	400440001 1 40040001 4
	REQUENCY	TOTAL 08S	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P.C.T.	100.00 110.00 1111.00.00 1111.00.00 110.00 110.00
	u.	48+	*00000*0100*10*10	TOTAL 08S	811141222
	RCENTAG	75) 34-47		41+	41 0118811014
696	9	ED (KNOT) 22-33		(KNDTS) 28-40	00 00 00 00 00 00 00 00 00 00 00 00 00
1942-19 1899-19		IND SPE	812122223616262 20 0417160116069666 11 0417160116069666 114	SPEED 17-27	7777777 8 8 7 7 7 7 7 7 7 9 9 7 7 9 9 7 9 9 9 9
MARY) R-ALL)		F-10	8 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	WIND 7-16	44448899 N1 88088860000000000000000000000000000000
(PRI		0-3	# M D # C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4 * C D 4	9-0	00 - 00 00 00 00 00 00 00 00 00 00 00 00
PERIOD		WND DIR	HOLDAN SEE SEE FEE SEE FEE SEE SEE SEE SEE SEE	WND DIR	CAR TOT LAR

													TOTAL OBS	126	99	81	- 6	8 6	95	95	128	75	144	797	113	149	119	٦ ,	4.0	100.0
N.										>4/8)		!	NH <5/8 ANY HCT	1.6	6.	1.3	•		œ.		1.4	6.	6.0	1.0	1.0	1.4	1.4	-	8 4 6	19.9
H HARBOR 1724										(FT.NH >	NO.		8000÷	•	• 1	•	•	0	•	•		-	0.0	•	•	•	•	•	•	o w
DUTC:										S	IRECTION	(	7999	•	•	•	•	0	.1	•	0	•	:	•	•	0	.2	0.0	?	. 4
EA 0008 51-55N										IG HEIGHT	MIND D		<b>5</b> 000 <b>6</b> 499	•	0	o c	•	: :	0	∹	7	•	င့်င	•	• -	•	•	0		n m
ARE		A L S	707	2.5	88	77				CEILING	5/8 BY		3500 4999	.2	e.	:-	• •	7	.1	•1	w.		4.4		'n	.3	e. (	٠.	1.2	3.9
	_	101 80				m			ABLE 6	9	N H		3499	.7	s.	4.	• "	4	4.		6.		0.1	7.1	9	1.9			200	12.3
	R (GMT	PCT	100.0	100	100		100.0		TAB	FREQUENCY	NCE OF		1999	2.1	1:0	1.8		0	1.6	1.2	2.0	0	0.0		2.0	5.4	2.1	0,1	537	29.4
	Y HOUR	MEAN	14.1	ר שח	4	4					OCCURRENC		666	1.7	4.		: -		6.	1:1	1:1	<b>.</b>	1.5	7.7	1.4	1.4	1.2	0.	727	
4	PEED B	CALM	2.0	2.6	4.4	91	3.0			ERCENTAGE	AND DO		200	6							m, c		د					· -	102	
TABLE	NIND S	KNDTS)	0,1	0	1.0	2	u.			PE		- 1	150	0,	•	٦.	: <	0	.2	.1		0	7.0	•		2.	•	oʻ (	) c	
	Y 0F	PEED (	0,0	• •	•	σ	3.0						149	6.	•2	۲۰	• a	.0.	۰.	6.	6.	4.	٥,١	- •	4	•2	ů.	٠ •	181	6.6
	FREQUENC	WIND S 22-33	15.1	_ ~	9	S	17.2																							
	PERCENTAGE	11-21	40.9			_	•			(EIGHTHS)		1EAN	DVER	•	•	•	•	7.3	•	•			•	•	• •	•	•	•	•	•
	PER	4-10	32.0		2.	94	•					:	55	56	99	90	. 0	81	95	95	28	0	44	100	13	64	19	<b>→</b> ų	o t	0
		1-3	7.1	3.1	7.4	197	4.9			AMBUN	CTION		TOTAL	_						,	~	•		• -	• ~	7	-		-	100
1942-1969 1899-1969		HOUR	6603	615	621	-	5		TABLE 5	OTAL CLOUD AMBUNT	WIND DIRECTION	•	0380	3	2.0			3.2	3.8	۲.	4 (	7	4		6	4	6	• -	٦.	09
		Ī	000	12	18	-	۵.		-	DTAL	BY WIN		)-0	2.1	6.	1.1	1.2	6		6.	1.0	•	1.9		2.1	3.0	1.9	•	787	26.5
(PRIMARY) (OVER-ALL)										Q 0F T	60	•	÷ 1	5	2.								- "		• •	٠. د			. 0	
										T FRE			7-0	80		4 4	•	: :	4.	7	<b>"</b> (		0 4						• -	
PERIODI										5			X TO ON	z	NZ.	Z Z	<u> </u>	ESE	SE	SSE	v į	E00	3 3 3 3	:	ZZ	Z	3 0 0 2 2 2	X 4 - 4 C	OT OR	TOT PCT

1942-1969	0701 00
(PRIMARY) 19	OVED ALL 1 10
RIODI	

AREA 0008 51-55N	w.
TABLE 7	CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

DUTCH HARBOR 165-172W 4

1

						6.94					
	■ DR >50YD		1.0	5.0	17.6	46.9	65.2	69.5	70.2	79.7	1652
	- OR >1/4	.7	1.0	5.0	17.6	46.9	65.2	69.5	70.1	77.5	1423
£	= OR >1/2	.7	1.0	5.0	17.6	46.9	65.2	4.69	70.0	75.6	1388
VSBY (N	# 2.1	7.	1.0	5.0	17.5	46.6	64.7	68.8	4.69	74.3	1363
	- R >2	.7	1.0	4.9	17.3	45.7	62.7	4.99	67.0	70.2	1289
	* OR × 5	.7	1.0	4.7	15.4	40.7	54.1	56.6	56.9	58.6	1075
	• GR	.5	Φ.	3.4	9.5	25.9	31.8	32.5	32.6	33.0	909
	CEILING (FEET)	- OR >6500				- OR >1000					TOTAL

TOTAL NUMBER OF OBS: 1835 PCT FREQ NH <5/8: 20.1

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TABLE 7A

TOTAL O 1 2 3 4 5 6 7 8 OBSCD OBS 3.3 2.4 5.4 4.0 4.7 4.9 9.4 15.2 42.6 8.1 2056

		ė,	m	4	91m	200	N @ M	26.50	39.0	100.
		TOTAL	31	111	51 36 87	69 63 132	121 190 311	132 626 758	44 922 966	2365
		CALM	0.7	7	* o -	000	010	0,00	1.7	53
HARBOR 2W		VAR	•••	0	000	000	000	• * →	000	→*
DUTCH HARBOR 165-172W	PRECIPITATION	Z Z	• *	-	40.6	12.9	2.66	2. 4.0 %	3.0	150
1-55N	RECIPI	Z	* *	7	* - " "	7.17	1.0	2.5	# 0.4	185
AREA 51-	OF	Z Z	•:	m	010	N# 0	2.61	2.2	2.8 69	148
	URRENC	3	<b>.</b> .€	œ	* m	12.8	2.9	2.6	4.1	245
	NON OCCURRENCE	Z SZ	.1	7	* w	.2	4 0 4	1.9	2.5	159
	R >	X S	* w	<b>ው</b>	* - m	160	2 · •		3.2	182
æ	OCCURRENCE 16 VALUES OF	NSS	0 %	•	₄	44.0	1.6.4	2.09	38	3.7
TABLE	VS OCC	S	0.4	Φ	10.5	H	4 W W	2.5	2.4	176
	RECTION VS OC WITH VARYING	SSE	- 4	12	m*r	200	1.5	1 • 4 35	1.3	120
	10	SE	<b>-</b> . •.	,-1 1	m o	. · · · ·	N	1.9	1.6	142
	OF WIND	ESE	- m	10	11.3	0 # 0	••3 21	1:1	1.1	114
	FREQ	ш	6.4	10	4.10	10.00	o	1.0	1.1	120
	PERCENT	E E E		o	0 ¥ 0	N # W		2.8	1.6	97
1969 1969	α.	Ä	<b>::</b> :	4	ů 1.0	-12,	24.5	1.1 38	2:1	132
1942-1969 1899-1969		NN	40.	٠	* - " "	444	## N	25 7 2 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	1. 3.4 3.5	81
(PRIMARY)		z	**	7	000	71.5	 		3.2	173
			PCP NO PCP	TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PERIGD:		VSBY			1/2<1	1<2	2<5	5<10	10+	

0000

	PCT	4 21.0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60444 0006	22.00 22.00 22.00 20.00 20.00	4.4 1.81 7.0 8.1 8.0	100.0
	TOTAL	9 30 62 18 119	92499 935499	38 74 162	25 143 1243 337	63 277 410 217 967	132 447 466 194 1239	2967
	CALM		* ~	• •	. 4	••	1.5	2.2
HARBO9 2W	VAR	00000	00000	00000	00000	*000-	••••	~*
DUTCH HARBüß 165-172W	Z Z	00#0-	ó# 4.64	***;	02174	1.61	1.01	185
0008 -55N	ž	0 * 10 %	00115	012*1	4.6.6	1.2	1.2 1.9 1.9	257
AREA 51	Z	o#iow	000-14	0444	01004		1.1	190
D SPEE	<b>3</b> ≿	***00	0#0~m	o# o	* # 7 15 0	1.0	1.52	292
VS WIND SPEED	SIBILI	0 # 7 0	0,4 4.4.2	00108	* 6 0 4 5	* 9 5 7 8	* C 0 0 2 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2	192
CT104	SH VI	001100	*-;*•	*:::2		1505.6	4	239
E 9 LD DIRECTION	VA''JES SSW	04460	044.	01140	01224	0.0.0.0.0	1.01.14	3.8
TABLE	RY ING	444		*76-6	# # 4 # # #	25.466	44040	229
£.	SS	01216	000#1	004-12	01472	#r.m.4.0	177.19	143
PERCENT	SE	# 1229	* 0 0	*1.725		22.000	32.7.68	177
a.	ESE	10115	111500	007.76	22.4.10	* 4 @ M C	3.1.5	131
	w	2*2.11	0.# 2.1.0	*-22	02268	14075	0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	141
	ENE	446*0	ó4*40	0		- w w w v	* 0 8 7 5	120
6961	ž	o# 4	011210	0-1-1-0	35555	21.000.00	2.17.29	172
1942-1969 1899-1969	NE	0 # 70 9	0***	o+	0*225	* ~ ~ ~ ~ ~ ~ ~ ~	40.00.00 40.00.00	107
(PRIMARY) (OVER-ALL)	z	0,**0,0	00000	0	04446	1.1	44.44 44.44	212
	SPD	KTS 0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 111-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL PCT
PER I 00 1	VSBY		1/2<1	142	5<2	5<10	10+	

									AND/OR	TOTAL OBS	484	473	414	404	1835
DUTCH HARBOR 165-172W		TOTAL OBS	505	480	420	478	1883 100.0		HOUR	NH <5/8 .	19.6	21.1	18.8	16.2	348
80		NH <5/8 TO ANY HGT O	23.6	22.9	21.2	19.0	409 1 21.7 10	12	DF RANGES DF VSBY (FEET,NH >4/8),BY	1000+ AND5+	48.1	36.4	36.0	41.6	747
AREA 000 51-55N	AND							TABLE	JF RAN	<1000 <5	32.2	45.5	45.2	45.2	740
	>4/8), AND	TOTAL	76.4	77.1	78.8	81.0	1474	-	RED	<b>6000</b>	11.8	15.4	20.0	14.9	282 15.4
	FREQUENCY OF CEILING HEIGHTS (FEET,NH OCCURRENCE OF NH <5/8 BY HOUR	80000		• 5	•2	•	0 m		CUMULATIVE PCT F	<150 <50YD	4.9	9.3	15.7	9.6	180
	HTS (F	6500	.2	4	5	4.	L 4.		MULATI	HOUR (GMT)	00000	60390	12815	18621	TOT
10	16 HE 16	5000	.2	4.	٠.	•	พพู		ಕ	10	0	0	-		
TABLE	CEILIN	3500	5.1	3.5	3.6	3.3	3.9					_			
	CV DE	2000	14.7	10.2	10.7	13.2	231 12.3			TOTAL OBS	484	473	414	494	1835
	REQUEN	1000	29.3	28.1	27.4	29.5	539		BY HOUR	10+	54.8	48.0	43.2	44.4	47.8
	Z	009	15.2	19.6	16.9	20.1	338	_	(NA)	5<10	28.5	28.3	29.5	33.0	546 29.8
	PERCI	300	4.0	4.8	3.3	4.8	4.2	TABLE !!	/ VSE	2<5	6.3	13.5	15.7	12.5	232
		150	1.0	4.	.2	•	12	F	FREQUENCY VSE	1<2	6.2	4.2	9.4	4.7	75
696		000	8.9	4.6	15.5	8.8	182				9.	1.7	1.9	.5	26
1942-1969 1899-1969		HOUR (GMT)	60300	60390	12615	18621	PCT		PERCENT	1/2<1				7	
~		10	0	В		-				çi /2	3.9	4.2	5.3	3.9	4.3
										HOUR (GMT)	0000	06609	12615	18621	T01
PERIODI															

		Æ	VAR	•	•	0		•	0	7			HOUR	MEAN	83	86	87	86	85
		BY TEMP	Z	7.	9	1.7	6.5	6.3	15	281	5.5				6	•	٦,	4	4
RBOR		TION	¥	٦.	4.	(D)	7.6	6.	.1	11	14.9 1		DITY	90-10	31.	43.	45.	44	734
DUTCH HARBOR 165-172W		DIREC	NS.	-									RELATIVE HUMIDITY BY	80-89 90-100	33.7	32.8	33.0	32.0	909
	TABLE 14	UNI	v	•	6.	2.	7.6	5	•	23	13.0	LE 16	ATIVE						
0008 -55N	TAB	1 OF 1	S		• 5	2.5	4.9	1.2	7	194	10.7	TABLE		70-79	24.8	17	17.0	17	3
AREA 0008 51-55N		FREQUENCY OF WIND DIRECTION	SE	-:		2.1	5.9	1.1	•	174	9.6		NCY OF	69-09	8.0	4.7	4.6	5.1	106
			ш	.1	6.	2.3	5.0	1.5	• 1	168	9.5		FREQUENCY	30-59	2.3	1:1	ů	1.2	25
		PERCENT	NE	۲.	.2	2.8	5.6	5.9	.2	211	11.6		PERCENT	0-29	•	•	•	•	0
			z	.1	4.	1.8	4.3	4.9	4.	216	11.9		Δ.	HOUR (GMT)	60300	06509	12615	18621	TOT
			FREG	•	3.4	18.1	50.7	26.1	1.2	100.0									
		TOTAL	085	=	61	328	922	474	21	1817			HOUR	TDTAL 08S	902	171	625	194	3092
		TEMP	90-100	•	ě.	4.4	23.1	12.1	4.	732	40.3		F) BY	MEAN TO	45.9				
		<b>8</b>	80-89	7	1.6	7.5	15.2	8.2	۳.	597	32.9		(DEG F	MIN ME	30 45				
		RELATIVE HUMIDITY		6	٥.	4.5	4.6	4.3	<b>.</b>	357	19.6		TEMP	1% H	34	34	34	34	34
	E 13	TIVE	50-59 60-69 70-79	.1.	•	1.3	2.8	6.	• 5	106	5.8		ES OF	*	37	9	9	9	9
6.6	TABLE		-59 60		0	~	œ.	•	()	20	=	E 15	PERCENTILES						
1942-1969 1899-1969		tCY OF		7	0	-	٠.	0	0	2	m	TABLE		20%	43	4	4	3	4
_		FREQUENCY	65-05										S AND	95%	20	14	40	4	4
(PRIMARY) (OVER-ALL)			30-39				0						MEANS, EXTREMES	*66	54	25	- 5	16	25
		PERCENT	0-29	•	•	•	•	•	•	0	•		EANS, E	MAX	57	2	25	200	200
PERIODI			TEMP F	55/59	50/00	42/48	40/44	35/39	30/34	TOTAL	PCT		Ī	HOUR (GMT)	60300	60300	12515	12361	101

CALM 1..7 1..7 3.5

00010017

	_			
	TOTA	576	306	491
HOUR	MEAN	83	80	8 8 5 5
ITY BY	90-100	31.3	45.7	44.4
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY	80-89	33.7	33.0	32.0
RELATIV	70-79	24.8	17.0	17.3 359
ENCY DF	69-09	8	4	5.1
T FREQU	30-59	2.3	.3	1.2
PERCEN	0-29	0,0	•	00
	HDUR (GMT)	60300	12615	18621 TOT
/ HOUR	TOTAL	902	625	794 3092
TEMP (DEG F) BY HOUF	MEAN	45.9	40.2	40.9
1P (DE	I	30	9 0	30
OF TEM	1%	34	34	34
TILES	×	37	36	36 36
PERCENTILES OF	20%	43	4	41
S AND	958	50	43	4 4 60 60
MEANS, EXTREMES AND	*66	54	47	51 52
ANS, E	MAX	57	52	N N 8 80

PERIOD: (PRIMARY) 1942-1969 (OVER-ALL) 1899-1969

TABLE 17

AREA COOB DUTCH HARBOR 51-55N 165-172W

F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) TEMPERATURE DIFFERENCE (DEG F) PCT FREQ OF AIR TEMPERATURE (DEG VS AIR-SEA

TOT 0000400001 0000004000000 260186644644841 26018664464841 26018664464841 260186644864841 260186644864841 260186644864841 AIR-SEA TMP DIF 14/16 11/13 9/10 7/8

AREA 0008 DUTCH HARBOR

HARBOR 72W			TOTAL	* ;	14	17	12	,	•	> 0	> ~	4 (	>	0	-	0	0	0	0	0	0	0	_	8.6			TOTAL			13			*	0	0	0	0	0 (	<b>&gt;</b> (	0 0	<b>&gt;</b> (	9	0	Э,	0			
DUTCH 165-17			<b>48</b> +	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	°.	•	•	•	0	•			+ 10 +	•	•	0.	°	•	•	°	•	•	•	•	•	٠ •	•	•	o c	0	• ·	•	> <	•
0008 -55N	FT)	N.	34-47	•	•	•	•	-	•	•	•	•	•	•	1.	•	•	•	•	o.	•	٥.	M	4.	u	,	4-4	• •	•	•	0.	•	ဲ	٥.	•	•	٠.	•	<b>)</b>	<b>?</b> .	•	•	• ·	9	<b>.</b>	•	> <	?
AREA 51.	HEIGHTS (		22-33	•	•	•		•	•	•	•	•	•	•	•	•	•	c·	•	•	•	•	0	1.2			55-33	•	•	٥.	٥.	٥.	4.	•	•	•	•	•	•	•	•	•	•	•	•	9 9	7 6	•
	SEA HEI		11-21	•					•	•	•	•	•	•	•	•	•	•	•	•	•	•		5.5			17-11	o.	, .	1:1	1.1	8	•	•	•	•	•	•	• •	•	•	•	•	•	•	. c	3 6	
	VERSUS		4-10	* 0		•	9		•	•	•	•	•	•	•	•	•	•	•	•	0	•	~	2.7		-		•	•				•		•				•	•		•		•	•	5 5		•
ABLE 18	DIRECTION		1-3	:-	•	0		9	•	•			•	•	•		٠,	•	•	•	•		7	n.			-1	:-	•	•	•	•	0.	•	0	•	•	•	•	•	•	•	•	•	•		<b>.</b>	•
TAB	(KTS) AND		TOTAL	7.	200	7	13	2	, r	9 0		o c	•	<b>o</b> (	<b>&gt;</b> (	<b>)</b>	0	0	0	0	0		•			4114	IN I AL	* *	<b>7</b>	47	•	•	٠.	*	→ .	0 (	9	> 0	> <	0	> 0	<b>3</b>	<b>&gt;</b> C	> 0	<b>o</b> c	9	200	•
	SPEED		+8+	•	•	•	9		•	•		•	•	•	•	0	•	•	•	•	•	•	0	•		. 0 .	+ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	,	•
	JF WIND		34-47	•	•				•	•	•		•	•	•	•	0	•	•	•	•	•	<b>^</b>				14-46	•	•	•	•	•	•		:	•	•	•	•	•	•	•	•	•	•	•	1	•
	FREG D		22-33																				~		u	,,,,	6-2																		ءَ د		, ,	•
60	PCT		11-21	•	• •	, a	•	7	•			•	•	•	•	0	•	•		•	•	0	•	2.5	•	1, 2,	7	•	7:1	•		4.	•	•	•	•	ò	•	•	•	•	•	•	•	•	3 4	4.4	•
1963-1969			4-10		1.4	•																	7			-	1		•	•		0	ŏ.	•		ວິດ	•	•	•	•	•		•	•	•		2.4	•
MARY)			E-1		•																		٠.			1-3	ı	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			0	<b>,</b>
CIODI (PRIN		,	HCT	֓֞֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	3 - 6	91.0	<u>^</u>	8-0	10-01	10	3 .	17-19	- 0	3.0	2-6	0	316	1-4	9-6	1-1	2 1	+ 1 8	TUTAL	5		130	2 3	1 - 2	7-1	3-6	2-6	_ `	8-6	11-01	77	1	10	3 6	7 6	7 10	7-1	4 - 0	61-70	- 0	470	TOTAL	PCT	

			CGRAND 127 130 130 104 104 117 117 104 100 100 100
HARBOR		TOT TOTAL STANDS OF THE STANDS	10 22 31 10 110 110 110 110 110 110 110 110 1
<b>В</b> 165-17		*00000000000000000000000000000000000000	* 0000000000000000
A 0008	(FT)	zm	, oooooooooooooooo
AREA 51.	IGHTS (	22 6004776711000000000000000000000000000000	22-33 0000000000000000000000000000000000
	SEA HE	12- 11- 10- 11- 11- 12- 14- 15- 16- 16- 16- 16- 16- 16- 16- 16- 16- 16	11-21 2.3 3.4 1.2 1.2 1.2 1.2 1.2 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
	I VERSUS	1 12 01.142.1.0000000000000000000000000000000	1 12 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
18	IRECTION	u	<u>i</u>
MAY	AND D	A 111 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AL 128 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	D (KTS	+00000000000000000000000000000000000000	4 TOTA
	SPEE	*	4
	OF WIND	# 	# 1 0 0 0 0 1 1 1 4 0 W 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	T FREG	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	25 - 3 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0
69	S.	11-21	11-21
1963-196		1 uu 0.404.0000000000000000000	1
RIMARY) JVER-ALL)		40-1-1000000000000000000000000000000000	u 04000000000000000000
PERIODI (PRI (OVE		T 10 10 10 10 10 10 10 10 10 10 10 10 10	HGT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

HEAN HGT W 100 120 000

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<b>8</b> 0R		TOTAL OBS	1111 1111 1111 1110 1110 1100 1100 110	TOTAL OBS	731 655 600 649 2635 100•0
DUTCH HARBOR 165-172W		GNA NO SIG	4mmunuu4u4m4u14um 21.0 14-15-20-244401-2401-4545	TENA NO SIG	68.0 66.6 67.5 64.1 1754
0008 DUTC		HER PHENDMENA DUST NO BLWG DUST SI BLWG SNOW WE	000#00#00000000N-	ER PHENDMENA DUST NO LWG DUST SI LWG SNOW WE	00000
AREA 0 51-5	DIRECTION	WEAT SMOKE HAZE	0014112014404440018	JR R WEATH SMOKE HAZE B	2.088351
	MIND DI	OTHER FOG S WO PCPN	0	BY HOUR OTHER FOG SM WD H	16.0 17.1 13.7 16.5 418
	₽	THDR	000000000000000	OCCURRENCE THDR LTNG	000000
1	OCCURRENCE	TOTAL PCPN OBS	E 2 22 24 24 24 24 24 24 24 24 24 24 24 2	WEATHER OC O TOTAL T PCPN IE OBS	109 104 107 440
TABLE	F WEATHER	PCT FREQ PCPN AT	<b></b>	PR PRE	14.9 15.9 17.8 18.5
	NCY DF	HAIL	00000000000000000	FREQUENCY HAIL PCT DB	000000
	FREQUENCY	TYPE THER FRZN PCPN		RCENTAGE P 10N TYPE 0W DTHER FRZN PCPN	000000
	NTAGE	SNOW D		PERCE ATION SNOW	000000
	PERCEN	RECIPIT FRZG PCPN	0000000000000000	RECIPIT FRZG PCPN	000000
		DRZL	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	DRZL	9.0 9.0 9.0 9.0 9.0 9.0
-1969		RAIN		RAIN	1.1
1943 1900		RAIN	80 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.	RAIN	7.88.3 8.3 21.7 6.2
(PRIMARY)		WND DIR	NN ENERGE SON	HOUR (GMT)	00503 06509 12515 18521 707 PCT
PER100 8					

		-	>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		8	4 C W W W W W W W		
8		18	,	0	-
HARB 724		15	, w J @ W W W W W W W W W W W W W W W W W W	0.78098.4899.48 0.78098.4899.48	2 10 10 10 10 10 10 10
DUTCH HARBOR 165-172W		GMT)		440,5440,500	11 10.00 11.12.00 11.22.00 11.22.00 11.22.00 10.00
		~	<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>		2 1445.00000000000000000000000000000000000
EA 0001		HDUR 09		00.00 00.00 00.00 00.00 00.00	
ARE		90	-454040MF	<b>narpay mr</b> 0	20 80 1114 10 1 10 1 10 1 10 1 10 1 10 1
	HOUR	03	, oo o a a o o o o	• • • • • • • • • • • •	### ##################################
	AND BY	0	, , , , , , , , , , , , , , , , , , ,	10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	EED A	8			
	Y SP				0.4144444444444444444444444444444444444
	1 ON B				oo in
M	DIRECTION	MEAN			
TABLE	IND	C 4		A	AG 446NB94000
7	OF W	ص <del>بر</del>	1404040464		E CHUILLA C
	UENCY	TOTAL OBS			FRECT 100 100 100 100 100 100 100 100 100 10
	SE FREQUE	<b>48</b>		00000#00 47	101AL 0BS 325 336 423 423 478 409 409
	PERCENTAGE	75) 34-47	10*	78 00101740	+ +0+00+0+0 44
696 696	PE	D (KNOT		W 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20
1943-19 1900-19		10 SPEE 11-21	- 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2011 1.2 1.2 2.1 2.5 3.9 2.6 2.6 3.9 1.6 88 88
_		-10 T	1122121212121 	1-40 0 4 PN	# N 4 W 4 W 6 W 6 W 6 W 6 W 6 W 6 W 6 W 6 W
PRIMARY) OVER-ALL		ю 4	- M	-10000010m	4 40000000
90		6			บ คณ่ คณาคลาก คณาค ก
PERIODI		WND DIR		HOP EN	NND DIR NNE NNE NNE NNE NNE NNE NNE NNE NNE NNE

									TOTAL OBS	121	104	86	133	. 87	96	160	101	155	202	109	0 6	າ ,	81	100.0
80							>4/8)		NH C5/8 ANY HGT	1.0	י ה	•	.7	4.0	•		ν	1.0	1.5	0.1	7.1	•	6.3	12.8
DUTCH HARBOR 165-172W							(FT.NH >	NOI	8000+	•	0.0	::	•	<b>*</b> -	: *	*	0.0	0	•	•	*	•	7:	
								DIRECTION	6500	*	• •	? -:	•	o c	•	•	# 0	. 0	7	* 1	٠,	0	- :	9.
A 0008							CEILING HEIGHTS	UNIM A	5000	*	* -	•	0.	* 1	* *	*	* *	• -:	c.	-: (	•	•	# 4	
AREA 51-		TOTAL OBS	914 815	676 808	613			<5/8 BY	3500			: :												2.7
	Ę			•	0.	TABLE 6	CY OF	OF NH	2000	6.	0.1		1:1		1 4	1.4	4.0	1.2	1.3		7.7	•	7.2	15.5
	JR (GHT)	PCT FREQ	100.0		100	4	PERCENTAGE FREQUENCY		1000	1.4	0	1.5	2.2	1.4	1.4	1.4	0 0	2.3	3.9		1.1	•	8.	
	BY HOUR	MEAN		12.1			AGE FI	OCCURRENCE	666 009	1:1		. •	1.3	0.1	1.0	1.5	1.2	1.4	1.7			*	7.6	18.2
¥	SPEED	CALM	4.6	4 4	3.6		ERCENT	AND	300	<b>.</b>	•		•5	2.6	2	٠, ·		4	w.	2.4	m	•	١.	4.7
TABLE	MIND	(KNOTS)	44	000	٠.		ā		150 299	0	0 4	0	*	• •		.2	0 -	*	0	0		0	-1.	
	QUENCY OF	SPEED (	87.	• 0.	.7.				149	6.	• «	•	₩.	•	ي ق	1.5	• •			4.0	, IV	•	287	13.8
	FREQUE	WIND 22-33	10.3	9.6	10.2																			
	PERCENTAGE	11-21	38.7	40.7	39.5		(E1GHTHS)		LOUD	7.2	0.7		7.5	7.5	7.5	7.5	7.4	.5	7.2	7.0	7.1	8.0	7.6	•
	PER	4-10	38.8	37.3	34.5				AL C	121	106	90	133	87	96	160	101	155	202	109	93	-	81	0.0
		1-3	• •	9 9 9	•	M.	AMDUNT	DIRECTION	TOT 0	-	r eo	•	~	<b>ν</b> α	0 00	m •	n 4		• 1	۰,	2	*	۰ د	2 10
943-1969		HOUR	60300	8621	7 L	TABLE	CLOUD	WIND DIR	3 8 7 0850		n m		Ś	<i>~</i> ~	י ייי	•	U 4	· KO	•	<i>v</i> 4	m		3.3.	12
~~			00	·			TOTAL	8 W I	<b>5</b>	~ .	<b>-</b>		-	-	•	- ·	-		2	-	1			19
(PRIMARY)							10 DF		3-4	2.		•	* (	•		٠.	•	. 2		* ~	*	•	<b>.</b> 4	2.9
							PCT FRE		0-5	.2	• -	::	.2	•	: :	.2	: -	::	ů.		4	•	# 0	4.6
PERIODI							0.		WND DIR	Z	W W	ENE	m į	EVE A	SSE	S	300	ESE.	*	Z Z	NN	VAR		TOT PCT

JUNE

1943-1969	900-1060
(PRIMARY)	
PERIODI	

AREA 0008 DUTCH HARBOR S1-55N 165-172W CUMULATIVE PCT FREQ OF SIMULTANEDUS OCCURRENCE OF CELLING HEIGHT (NH 24/8) AND VSBY (NM)

ć	š	°	1.2	1.9	4.7	20.1	49.8	64.0	72.5	73.4	87.2	1814
		>50YD	1.2	1.9	4.7	20.1	8.64	67.9	72.5	73.3	86.7	1804
Ċ	NO.	>1/4	1.2	1.9	4.7	20.1	49.7	67.7	72.3	73.0	82.9	1725
	¥ .	>1/2	1.2	1.9	4.7	20.1	49.6	67.3	71.8	72.5	78.8	1639
VSBY (NM	* CK	~	1.2	1.9	4.6	20.1	49.2	66.5	70.8	71.4	75.4	1569
9	¥ .	>5	1.2	1.9	4.5	19.4	46.9	63.0	66.8	67.3	1:59	1450
Ĉ	¥	<b>^</b> 2	1.1	1.8	4.1	17.7	40.7	52.5	55.0	55.9	57.0	1186
0	¥ .	<b>&gt;</b> 10	6.	1.3	5.6	10.3	22.3	28.2	29.8	29.9	30.0	625
	SHILLS	(FEET)								■ OR >150	■ E3 V O	TOTAL

TUTAL NUMBER OF OBS: 208C PCT' F

PCT FREQ NH <5/8: 12.8

TABLE 7A Percentage freq of low clouds (eighths) 0 1 2 3 4 5 6 7 8 OBSCD OBS 1 2.3 2.9 3.0 3.2 3.2 9.0 12.0 49.8 12.5 2263

AREA 0008 DUTCH HARBOR 51-55N 165-172W	
TABLE 8	
(PRIMARY) 1943-1969 (DVER-ALL) 1900-1969	
PERIODI (P	

		PCT	 	0 4 0 0 4 0	7.5.3	4.5 9.2 13.7	5.4 25.2 30.6	1.8 32.2 34.0	100.0
		TOTAL	24 224 248	51 80 131	61 124 185	117 239 356	140 655 795	47 836 833	2598
		CALM T	0.04	0.44	707	040	25.2	1.6	3.6 1
HARBUR 2W		VAR	000	000	•••	•••	000	o.#-	~#
165-172W	PITATION	Z Z	ဂ်မာ့စ	* ÷w	# := M	9.1.6	1.1	2.0	113
1550 1550 1550 1550 1550 1550 1550 1550	PRECIPI	Z	**	* % ~	046	2.7	1.8	2.8 81	192
AKEA S1-	E 0F	2 2	040	0.40	# 10 00	***	1.7	1.9	138
	CURRENC	*	0.00		15.1	2.68	. • • • • • • • • • • • • • • • • • • •	3.6	253
	NON OCC SIBILIT	MSM	* m 0	1 00	0 11 10	1961	7.4	2.5	186
	: OR JF VI	MS	* <b>*</b> 5	N# IN	2.62	200	1.7	2.2	167
80	CURRENCE VALUES D	MSS	* " 0	62.1	000	2.50	1. 4.4 4.4	1.5	123
TABLE	VS DCC	'n	1.0	 	40.4	. • 6 4	1.4	1.3	200
	ECTION	SSE	.1 20	# mo	15.5	100	1.1	1.0	120
	O N	SE	311.1	o	1.061	1.0	1.6	2.0 54	215
	OF WIND	ESE	154	442	4	 N V W	80.8	1.0	116
	FREQ	ш	1.4.9	0, N. B	9.00	31	 5.6 4.0	1.1	171
	ERCENT	ENE	* ~ ~	1.1.0	66.7	.2	W	1.2	1111
1969	ā	EL.	12.2	1.47	~~~	.5.5.1	1.0	1.0	138
1900-1969		NN	* ~ r	444	* m w	1.5	1.0 31	1.8 50	115
(OVER-ALL)		z	50	127	* " ~	1.01	1.7	1.9	145
COVER			PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
2		VSB√ (NN)	<1/2	1/2<1	142	7.55	5<10	10+	

		PCT	3.9	2.7	4001		0 0000	12.4	12.0 13.0 3.6 31.8	4444 4444 4446 4446 4446 4446 4446 444	0.001
		TOTAL	53	222		142	81 91 24 207	41 123 170 65	92 379 417 114 1002	135 459 436 94 1124	3155 1
~		CALM	4	4		4	. 1	4. 6.	32	1.5	3.5
HARBOR		VAR	•••	•••		•	00000	00000	00000	0#004	~*
DUTСН 1		3 2		- * °	2110		01404	0 # 57 10	* r o * u	11	143
0008 55N		3 2		1.0.			1011110	14 <b>0.</b> 14	1.00	1.5	261
AREA 51-	۵	2		* -; c		4	11.120	0 4 4 0 8	1.0	1.01	177
	D SPEE TY	3		20.5		13	04045	# 2112 51 51	10.00	11.9	297
	VS WIN	R SE	0.4	77.	9		*0 ==	2.1.3.5.1	30.6.4.9	11.1	218
	CTION OF VI	N.	# 77	206		-	#2772	1421.9	00	4	203
LE 9	D DIRE	NSS	0,*	7.1.5	0	•	00-4	10406	* 6 - 4	51.00 C	143
TABL	DF WIN	'n		7 1 7		15	# 110,014	- m m n n	2.00.4	6.1.6	229
	FREQ	SSE		 			02114	# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #	25.6.71	4777	153
	ERCENT	SE	77.	e	0 7 7 7		N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	447.00	4041	40000	256
	α.	ESE	-7.	* # 6			01246	0 0 0 0 0 0	# 0.00 0.00	0011 * 11	133
		ш		1022		0	0,4,4,1,5	- m.v. c. rv	-00000	21.816	198
		ENE	0.4	* 0 n			0,4,4,5	00000	-unu0	0.00000	137
1969 1969		Z W		10.0		7	*55		201.10	21.81.9	177
1943-19 1900-19		N S	-* * ·	, o a	2-1-0	4	0-1-10-8	* ~ ~ ~ ~	*L4~L	w 0.000	134
MARY) R-ALL)		z	N.m.	71.7	044*	~	07108	-22	~~~~;	1.53	183
I (PRIMAR		SPD	110	2+ 07	-3 -10 2+	DTAL	)-3 -10 11-21 22+ 107AL	0-3 1-10 11-21 12+ 10TAL	)-3 1-10 1-21 2+ 0TAL	)=3 +-10 11-21 22+ 10TAL	PCT
PERIODI		VSBY		- 2 F	1/2<1 4	-	142	2<5	5<10 4 012 14 14 14 14 14 14 14 14 14 14 14 14 14	10+ 4	<b>-</b>

DUTCH HARBOR 165-172W		TOTAL	569	551	416	530	2126
AREA 0008 [	Ç	NH <5/8	18.3	16.0	13.0	9.6	305
AR	A4/8),A	TOTAL	81.7	84.0	87.0	4.06	1821
	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	8000+	1.1	Į,	• 5	•2	111
	HTS (FE 8 BY HO	6800	4	6.	80	4	13
10	G HE 1 G	5000	1.	5	.7	1.3	15
TABLE 10	CEILIN	3500	3.2	2.5	2.5	5.6	58
	CY OF	2000	13.7	13.8	15.3	17.9	322 15.1
	REQUEN	1000	31.6	4.7 17.1 27.6	19.5 26.7	30.0	618 29.1
	CENT F	666	16.0	17.1	19.5	18.3	378
	<b>Q</b>	300	3.7	4.7	4.0	5.8	9.4
		150	1.1	٠,		80	17
696		000	10.4	15.8	16.8	12.5	292
1943-1 1900-1		HOUR (GMT)	60300	60390	12615	18621	PCT
PERIOD: (PRIMARY) 1943-1969 (GVER-ALL) 1900-1969							
PERIODI							

	AND, OR	TOTAL	550	539	471	520	2080
	(NM) HDCR	5/8	13.8	12.8	10.8	7.5	235
	VSBY	NH <5/8	_		-		
12	GES OF NH >4/8	1000+ AND5+	44.5	38.4	36.7	42.7	847
TABLE 12	OF RAN (FEET,	<150 <600 <1000 <50YD <1 <5	17.6 41.6	48.8	52.4	20.2 49.8	998
	FREQ	<b>6600</b>	17.6	23.9 48.8	22.9 52.4	20.5	439 998
	VE PCT	<150 <50YD	10.9	16.0	17.0	12.5	291
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	HOUR (GMT)	00003 10.9	0.61 60390	12615 17.0	18621 12.5	PCT
		TOTAL OBS	550	539	471	520	2080
	3Y HOUR	10+	45.9	7.65	31.2	36.9	769
-	(MM)	5<10	30.5	27.3	32.7	31.5	632
TABLE 11	CY VSBY	2<5	11.3	12.4	16.1	14.4	280
	FREQUEN	1<2	4.7	5.9	4.9	7.3	126
	PERCENT FREQUENCY VSBY (NM) BY HOUR	<1/2 1/2<1	2.5	5.0	3.8	3.1	3.6
	<b>a</b> .	<1/2	8.0	9.6	9.8	6.9	178 8.6
		HOUR (CMT)	60300	60390	12615	18221	T07

PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1900-1969

AREA 0008 DUTCH HARBOR 51-55N 165-172W *

*

		Ę	0	.2	4	7	9	0	78	4			4.5	.+	ıc	0	0	•
		CALM								4			TOTAL 085	544	47	31	47	179
	TEMP	VAR	•	0.	•	•	•	,	,4	. 1		HOUR	MEAN	98	88	89	89	89
	8	Z	•	.1	1.3	5.0	6.7		241	13.5				.7	6.	0	54.5	83
	CTION	3	0	<b>-</b>	1.2	6.9	5.5	.2	233	3.0		IDITY	90-100					
4	FREQUENCY OF WIND DIRECTION	NS	•	7.		6.1	5.5	٠,	31	2.9 1	16	RELATIVE HUMIDITY BY	80-89	36.6	34.7	28.1	30.4	294
TABLE 14	ONIM:	S	ာ	• 2						7	TABLE 1	ELATIV	62-02	18.1	12.0	11.0	10.9	647
1.0	tc y DF									111.1	1,1	P					3.2	
	EQUEN	SE	•	4.	1.2	7.1	4.5	•	239	13.3		FREQUENCY	69-09	<b>س</b>	7	-	m	41
		ш	•1	•2	1.4	5.0	3.3	•	179	10.0			30-59	1.7	• 5	•	1.1	17
	PERCENT	N N		.2						11.2		PERCENT	0-29	•	•	•	•	0
		Z	•		6.	4.9	4.5	e.	190	10.6		-	HOUR (GMT)	60300	60390	12615	18621	TOT
	1,0	FREQ	•1	1.5	7.6	1.65	38.4	1.2	0.00									
	, ,	085		27					1791			œ		80	-4	7	Q	7
												BY HOUR	TOTAL OBS	91	81	67	80	321
	BY TEMP	90-100	•	4.								ũ	MEAN	46.5	45.5	43.9	44.6	45.2
	ITY B	80-89	•	4.	3.9	18.9	9.7	.2	593	33.1		(DEG	Z				36	
	HUMIDITY	40-04	-	•	5.6	7.5	5.9	• 5	248	13.8		F TEMP	1%	39	38	37	39	38
LE 13	RELATIVE	69-09	7		1.2	1.2	•	•	26	3.1		LES OF	2%	41	41	39	40	41
TABLE	OF REL	50-59 6	0	٠,	۲.	9.	٦.	•	16	6.	TABLE 15	PERCENTILES	<b>%</b> 0	9	Į,	44	45	5
	ENCY (	40-49 50	•	•	•	•	•	0.	0	0	TA	AND PER	ж ж					
	FREQUENCY		0	0.	0	0.	•	o.	0	0.			951	54	2	4	ัด	3
	PERCENT P	9 30-39										EXTRE	866	57	55	51	54	55
	PER(	0-29		o.								MEANS, EXTREMES	MAX	7	9	20	57	61
		TEMP F	99/09	55/59	50/54	45/49	40/44	35/39	TOTAL	PCT		_	HOUR (GMT)	60300	60390	12615	18221	T0T

4>

PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1900-1969

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TABLE 17

AREA 0008 DUTCH HARBOR 51-55N 165-172W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF 50G (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

	3	F06	7.	9.	1.0	1.8	1.3	3.7	6.1	7.7	11.3	6.9	20.5	7.2	8.4	3.4	2.5	1.5	.7	8	r-1	1864	84.2
	3	FOG	0		m	*.	•	1.1	1,3	1.0	3.1	1.4	6,8	1.0	1.1	<b>.</b>	'n	m,	-	*	*	350	15.8
G F)	TOT		m	15	58	47	37	106	162	120	318	228	525	183	210	85	67	39	19	18	m	2214	100.0
ACE (DEG	61	40	*	*	•	٥.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2	٠,
FERE	57	90	*	.2	۲.	#	•	•	•	o.	*	•	•	•	•	•	•	•	•	0	•	٥	4.
se DI	53	26	*	٠ س	6	6	∹	• 5	*	∹	*	•	*	•	•	•	•	•	•	•	•	93	1.5
ERATU	64	52	•	٦.	.7	1.1		1.3	1.2	'n	1.0	4.	'n	m.	*	0	٠,	•	•	•	•	177	8.0
TEMP	45	48	•	•	.2	9.	.7	2.8	4.8	3.7	9.1	5.4	10.2	5.4	3.1	9.	.7	6.	•	.2	∹:	1011	45.7
AIR-SEA TEMPERATURE DIFFERENCE	41	4 4																				875	_
VS AI	37	0																				105	
	33	36	•	0	•	•	•	•	•	•	•	•	*	•	•	•	•	*	•	0	•	7	
	AIR-SEA	TMP DIF	14/16	11/13	9/10	1/8	•	'n	4	m	7	-	0	. <b>7</b>	-5	<b>~</b>	4	5	9-	-1/-8	-9/-10	TOTAL	PCT

	72W		1	TOTAL		50	15	_	~ (	o -	<b>-•</b>	• 0	0	0	0	0	•	•	0	0	~	10.1		TOTAL	10	21	25	56	16	* 19	0	~	0	0	ဂ	0	00	<b>&gt;</b> C	0	•	0	106	•
	165-17			<b>4</b> 0		0	•	0	•	္ (	•	•		0	0	• ·	•	•	0	0.	0	•		48+	•	o	°	•	0	•	•	0	•	•	•	•	•		0	0	•	0	•
	A 0008 1-55N	FT }		+	•	•	•	•	₹.	·	•	9	0	•	•	0		•	0	•	7	ů.	SE	4-4	•	•	•	•	٠,	•	•	0	•	0	•	o o	•	9	•	•	•	0	•
,	AREA 51.	HEIGHTS (				•		4.		•	-		•					•			•	Φ.		22-33	•	o.	e.			. "				•	•	٠.		. 0		•	•	7	
		SEA		11-21	• •	1.8	•	9.	•	•	•		•	?	•	•	•		•	0	m	2.5		11-21	•	1.7	1.8	2.5	1.0	-	0	•	•	0	•	•	9 9	•	•	•	•	51	7.2
		VERSUS		4-10	1.3	1.0	4.	•	•	•	•	9	0	•	•	o c	•		•	•	27	3.8		4-10	1.1	1.0	1.4	6.	•	9 0	0	0	•	0	0	•	•	0	•	•	•		3.8
	18	DIRECTION		<u>-1</u>	•	•	•	•	•	•	9 0		0	•	•		•		•	•	0	•		1-3	•	e.	0	•	•	•	•	•	•	•	•	•	•	•	•	·	•	4	ė.
JUNE	TABLE	AND DIR		7	. ~		~	<b>~</b> .	•	<b>.</b>				0	0					•	~	<b>5</b>			•	•	0	~ 1	_ 4	. ~		_	0	٥.					•	0	0	_	•
		(KTS)	į	TOTA	7	7	7							_							8	11		TOTA		~	~	-4										_				80	12.
		SPEED		+ 0		•	•	•	•	•	•			0	•	•	•	0		•	0	•		484	•	•	?	ç (	•	•	•	•	•		•	•		•	•	•	0	0	•
		OF WIND		14-46			•		•							•		•		•	-	₹.		34-47	•	•	0			•		•	•						•	•	•	-	-
		CT FREG	(	66-77					* (			0			• ·		20				<b>1</b> 0			22-33	•		٦,	ή,	* "		•	7.				•	•	9	•	•	•	10	1.4
	69	2		17-11	•		•				9			•		•				•	n			11-21	•	•	æ ·	•	•	•			•				9 6		•	•	•	4	2.6
	1963-1969		•	07-		2.0	m, c	•		•	•	0	•	0.0	•	2 0	0	•	•	0	m	2.6	•	4-10	•	2.5					•		•				•			•		•	
2	R-ALL)				7						9			•		•			•	•	4	•		<u></u> 3			o c	•	•	•	•	•	•	•		•	? ?			•	o c	7	÷
1001	COVER-			2 7	1-2	3-4	2-6	- 0	10-11	1 0	3-1	7-1	20-22	3-5	0 0	4	9-6	1-7	1-8	87+	- 0	•		HGT	₹.	7-1	7 - 6	200	0	10-11	12	3-1	1	3-6	7-7	3-6	1-4		1-7	1-8	+;	5 2	9

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																											GRAND	9	206	193	131	2	33	10	m	C.	~	0	0 (	<b>&gt;</b> (	<b>&gt;</b> C	<b>)</b> C	) C	0	0	710	100.0
	HARBUR 2W			I U I AL	26	1 7	14	•	4	~	0	0	0	0	0	0	0	0	0	0	0	0	_	10.0			TOTAL	5	31	30	20	_	4	<b>~</b>	<b>,4</b>	0	0	0	0	<b>&gt;</b> 0	<b>O</b>	<b>)</b> C	0	0	0	68	15.5
	165-17		•	• •	•		•	•	•	0	•	0	•	•	•	•	•	0	•	•	•	•	0	o.			4	•	•	•	•	•	•	•	•	•		•			•			•	•	0	•
•	8000 -55N	£	<b>3</b> (	*	•		0	•	•	•	•	•	•	•	•	•	•	္	•	•	့	0	0	•	3		74-46	•	•	•		•		္								•		•	<b>.</b>	0	•
1	AREA 51	GHTS (F	ſ	V			; -;			<b>.</b>	•	•	•	•	•	•	•	•	•	•	•	•	4	•	2		55-33	•	•				4		1.	•	•	•	•		•				0		1.1
		SEA HEIGHT		ı	9 4							•	•		•			•		•		?	N				17-11	•		2.3	•	.7	۲.	•		•		•	•	•	•	•	•	•	•	44	6.2
		VERSUS	-	1	2.7	• •	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•	4.5		•	01-4		2.3	•	•			0	0	•	•	•	•	•	•	? 0	•	•	0	35	6.4
	80	DIRECTION	1.2	1	,		0							0			•	•	•	•	•	•	۰٥				F-1	6	0.		0				•							•		•	0	2	e.
JONE	TABLE 1	AND DIR																																													
		(KTS)	TOTAL		23	1 6	17	19	4	7	0	0		0	0	0	•	9	<b>&gt;</b> (	Э,	0	0	Φ,	12.5			IUTAL	11	93	36	20	•	*	<b>-</b>	<b>⊸</b> (	0	0	00	<b>o</b> c	<b>o</b> c	<b>,</b> c	0	0	0		-	16.1
		SPEED	464				0					o.					•					•	0 (	•			<b>*</b>	0	•		•					•						•			0	0	•
		OF WIND	74-45	-														o c					٠,	:		•	7 + 1 + 6	•						0								•			•	0	o.
		T FREQ	5	3		, m	0	•1	٦.	•1	•	•	٠.	•	•	•	0 (	0.0	•	•	•	•		•	3		66-77															•			•	6	1.3
	65	2	_	4			2.3	•															n			,	17-11	•		2.7	•	*	m ·	•	•	•	•	9	•		•	•	0	•	0	3	6.5
	1963-196		01-4		1.7										•			•				1 0	V				-4		•	•	•							•				•			0 (	^	
2	R-ALL)				7																			•				4.														•			•	10	1.1
	COVE		i d	₹ ₹		•	9-5	~	8-0		7	13-16	-1	7 0	2.0	010	t ,	1 0	7 1 0	1	0	+;	5 6				- - -	₹		4-6		-	900		7,	, ,	]	310	7 - 4	3 - 6	1-4		1-7	1-8	87+	-	ပ

																										MEAN	- (°	14	r •0	, ~	10		0	4	
																										TOTAL	374	219	134	32	•	0	80	847	100.0
																										87+	•	9	0	•	•	0	•	0	•
HARBOR 72W																										71-86	0		•	?				0	•
<b>DUT</b> ¢H 165-17																										61-70	•		•	•				0	•
0008 -55N																										09-65	•	0	•	•	•	•	•	0	•
AREA																									S)	41-48	•			•				0	•
		A L	9	0	9	<b>6</b>	7.	33	10	m (	m -	٠,	<b>5</b>	<b>)</b>	٠.	Э,	<b>o</b>	0	0	0		4	•		SECONDS	3-40	•		0	•	0			0	o.
		TOT		~																		_	100		ERIOD (S	6-32 3				•			0.	0	•
	(FT)	+8+	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•		•		WAVE PER	3-25 2	•	0	0	•	•	•	•	0	•
C LN	HE I GHŢ	34-47	•	٠·	•	₹.	•	.3	•	-: '	•	•	•	•	•	•	•	•	·	·	•	S	۲.		۸S	0-22 2	•	0	.2	0		•	•	m	4.
18 (CONT)	S SEA	22-33	0	0.0	•	2.0	2.1	2,1	1.1	(I)	• (	•	•	•	•	•	•	0	•	•	•	71	9.5	19	T (FT)	7-19 2	•	0		7	•	•		7	•5
TABLE	KTS) V	1-51	•	0	٠	5	•	1.9	7.	0	•	•	•	•	•	•	•	•	•	•	•	332	64.3	TABLE	HEIGHT	3-16 1	•	-		.2	•2	•	•	10	1.2
	SPEED (	4-10 1	•	15.4	ċ	•	4.	۲.		0	ပဲ ရ	•	•	•	•	•	•	ပ္	•	•		~	36.0		OF WAVE	12 1	•		7	4	°	•	•	•	.7
	QNIM	7 €-0	8	6.	<b>®</b>		<b>∵</b>	•	•	0	•	•		•	•	٠. د	•	•	•	•	•	7.1	S		FREQUENCY	10-11	4.		1	5		•	•	18	2.1
		Ü	Ĭ						_		٥ ٥	• (	<b>.</b>	n (	<b>.</b>	5 1	<b>2</b> 0 (	0	0	•		ب				8-9	•		2.5	80	4	•	•	54	4.9
		HGT	_	1-2		1	_	8-9		12		1	7 (	7-0	ייני פיני	410	†    -	9-6	1-1	1-8	87	TOTA	PCT		PERCENT	7	•	•	9	.7	•	•	0.	2	11.9
1963-1969																										5-6	•	•	3.5	.2	٦.	•	-:	16	•
_																										3-4	•	7	3.0	.7	•	•	•	22	•
IMARY) ER-ALL)																										1-2		2		Τ,	•	°.	•	9	•
9 O O																										<b>7</b>		•		•		•		2	•
PER 1001																										PERIOD	,	6-7	6-8	10-11	2-1	>13	INDET	OTA	PCT

BOR		TOTAL	-: ( p-4 : p-4	69	78	130	66	163	139	251	194	329	303	428	202	199	117	7	119	3020	100.0
DUTCH HARBOR 165-172W		HENA NO SIG WEA	5.9	1.3	2.2	2.6	1.2	5.4	2.2	3.4	3.0	5.0	5.9	4.8	4.7	3.9	2.9		5.4	1672	55.4
		WEATHER PHENDMENA IDKE DUST NO IAZE BLWG DUST SI BLWG SNOW WE	0.	•	0.0	0	•	•	*	•	0,	•	*	•	•	•	0	•	•	7	٠:
EA 0008 51-55N	NOI	ATHER PEDUSE BLWG																			
AREA 51-	IRECT	ER WEA'SMOKE HAZE		•	99	•	•	.2	*	*		7	-	.2	7	.2	•	•		32	1.1
	WIND DIRECTION	FOG SM MO H PCPN	1.0	•		9	8	1.5	1.5	3.1	2.0	3.9	2.4	3.7	1.3	2.2	8	0	1.3	826	27.4
	BY	THDR	•	•	• •	*	•	•	•	•	•	•	•	•	•	•	•	0	•	<b>-</b>	*
1	OCCURRENCE	TOTAL PCPN OBS	01	- ;	22	34	34	41	27	54	43	58	48	55	18	11	9	0	œ	487	
TABLE	WEATHER	PCT FREQ PCPN AT UB TIME	e c	7.		1.1	1.1	1.0	6.	1.8	1.4	1.9	1.6	1.8	9.	4.	•2	•	6.		16.1
	NCY OF	HAIL P	0.0	•	•	•	•	•	•	•	•	*	•	*	•	•	•	•	•	7	7
	FREQUENCY	TYPE JTHER FRZN PCPN	0.0	•	•	•	0	•	•	•	•	•	•	•	•	•	•	•	•	0	•
	NTAGE	SNOW	0.0	•	0	0	0	•	•	•	•	•	?	•	•	•	•	•	•	0	•
	PERCE	PRECIPIN FRZG PCPN	0,0	•	0	0.	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
		DRZL	2.0	•	14	.7	• 2			1.0	œ.	1:0	1.0	1.2	4	7	7.	•	.2	274	9.1
1944-1969 1899-1969		SHER	# 0	•	: -:	•	•	•	•	•	*	*	*	∹:	7	*	#	•	•	15	
		RAIN		• °	, w	4.	.7	.7	• 2	æ ·	•	•	•	•	₹.	.2	•1	•	-	203	2.9
(PRIMARY) (OVER-ALL)		WND DIR	Z 2	. u	ENE	u.	ESE	SE	SSE	S	SSE	30	NO.	3	ZZZ	3 %	Z Z	VAR	CALM	TOT OBS	TOT PCT
1001																					

5.5 7.5 7.5 7.5 7.6 8.8

00609 06609 12615 18621 TOT PCT

HOUR (GMT)

TABLE 2

		21	•			4.3				•	•	•		÷	•	•			•	1.7	_	•														
RBOR		18	4.9	2.0	3.1	5.9	4.0	3.5	5.5	2.0	9.0	6.3	9.6	Φ.	11.6	•	1.4	4.4	-:	2.0	195	100.0			21		٠.	~	<b>.</b>	01		<b>-</b> •	٠. د	2 1	15	0
HA 72W		15	3.0	3.0	5.5	2.2	2.2	4.5	6.7	4.5	6.7	8.2	6.7	2.6	14.2	7.01	0.0	2.5	•	1.5	134				. ED	7	<b>40</b>	<b>SO</b>	13	0 ;	7	61	13	-	• ~	100
165-1		GMT)	•	•		2.0				•	•	•		8	4.	•	•	•	•	4.0	4	-4			7	•	•	-	ċ.	*		٠,	-	•	2,0	•
0008 55N		400 P	.7		4	4.	9.	.7	÷.	٥٠	•	•	•	. 1	.4	4.	•		•	•	12	• 0 10			1.5		•	•	<b>.</b>	14.9	•	•	-	• •	-	•
AREA 51-		•	1 2	3	8	5	4	3	3	7 11	<b>6</b> 0	<b>~</b>	2	7	2 13	2	æ	8	_	•	8	0 100			(GMT) 12		•	•	<b>.</b>	14.5	•	,	•	•		•
	HOUR	0	4		1 4	. 7	4	m	5	m	₩	ø	12	00	13	'n	•	4		.,	_	100			800 P	5	•	•	÷.	16.1	•		ċ	•	112	0
	BY	ö	•	n		•	2	•	•	(1)	•		•	<b>.</b>			•	•	•	•	12	•		•	90	6	4.	٠.	0	- 0	•	* 0	· ·	19.4	<b>60</b>	•
	PEED AND	00	•			3.3		•	•	•		2	•		•	•	•	•	•	3.8	82	100.0			03	•	•	•	2.0	10.7	7.6	0.	7.0		122	•
	BY S																								8		•		7.0	n a	•	7.0	0 0	• •	859	.0
m	IRECTION	MEAN		0	6	11.7	2	2	9	ë	4		4			5	<b>∴</b>	<b>:</b>	•	0	•		3A													-
TABLE	MIND D	PCT	•			2.8		•	•	•	•	ė	•	•	•	•	•	•	•	4.3		100.0	TABLE		MEAN	6	•	2	ů.	14.0	•	i.	-	•	12.5	
	ENCY OF	TOTAL UBS	129	8	142	P	5	7	O.	156	Φ.	~	ලා .	<b>J</b>	100	<b>n</b> .	4	4		152	72	-			PCT	0.9	6.7	~ ° °	<b>,</b>	1.00	<b>&gt;</b> <	Э,	<b>→</b>	4		100.0
	FREQUEN	<b>48</b>	0	0	•	•	•	•	•	•	#	•	•	•	•	•		•	•		<b>~</b>	*			OTAL	213	142	269	403	200	127	927	37.0	152	3572	
	ERCENTAGE	34-47	0	*		•			*		-					#	*	•	o.		35				41+ T		•		<b>.</b>	<b>*</b> -	•		÷ c		so .	•1
969 969	PER	22-33	.2			•2	6.	4	9.	•	1.3	•	1.7	•	•	•			•						28-40					•	•				124	•
1944-19 1899-19		WIND SPEE	1.0			1.2	•	•	•		•	•	•			•	•	•	•	4	1511	2			17-27	•	•	•	•	n 4	•	•	•	2	873	•
MARY) R-ALL)		4-10	•			1.1	•	•	•	•	•	•	•	•	•	•	•	•	0	į	1248	•			7-16	3.1	•	•	•	* 0	: .	•	•		1709	•
(PRI		6-0	•	6	9.	e.	۳.				*	7		'n.		*	•	.2	•	6.9	39	•			9-0	2.1	•		•	•	•	•		•	00	•
PERIODS		WND DIR	z	NAN	Ä	ENE	ш	ESE	S	SSE	S	SSE	T.	ECE	*	2	Z	3 7 7	5	CALM	_	 			WND DIR	z	W Z	m r	, v	ν u	: ז ל	3 2 3	Z ⊲	A	TOT 385	-

DUTCH HARBOR 165-172W	
AREA 0008 51-55N	
TABLE 7	
1944-1969 1899-1969	
(PRIMARY)	
ER 1001	

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE

1

ř.

	Ĉ
	ć
OF CELLING HEIGHT (NH >4/8) AND VSBY (NM)	VSBY (NH)

	* OR	^		9.	1.1		4.0	17.6	, ,	+3.	62.0		600	4.89		6176	2160	1017	
	# 0R	>50YD		9.	1.1		4.3	17.6	*	43.	62.0		600	68.4		40.4	2117	1477	
	• OR	>1/4		•	1.1		4.3	17.5		43.0	41.6		66.5	68.0		85.5	1070	1313	
	# 08	>112		3.	1.1		4.2	17.3		45.8	404	0	65.3	4.99		12.4	. 00.	1611	
1001	* 5	7	;	¥.		•	4.2	17.2		45.4	4 04	24.0	0.49	6.49		71.0		1680	
		2	7	• 5	1 1	7 . 7	4.2	16. B		41.1	6 1 3	21.00	61.3	62.2		0.99		1508	
	* AC		2	4	•		3.7	14.8	0.1	33,3		42.0	47.4	0 47		6.67		1171	
	# OB		1014	۲		•	2.8		7.6	19.2		24.0	8.46	2,0	7	25.1		297	
	2N1 1132		(FEET)	00394 90	2000	1K >2000	•	2000	•						•	-	-	TOTAL	
				•	,			1 1	•		•	•		1			,		

PCT FREQ NH <5/8: TOTAL NUMBER OF OBS: 2375

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TABLE 7A

TOTAL OBS	24.82
08800	21.0
∞	52.7
7	8.2
•	9.9
50	5.9
4	2.0
6	2.0
2	2.5
-	1.2

DUTCH HARBOR 165-172W		TOTAL OBS	623	980	565	611	2390 100.0
AREA 0008 D	9	NH <5/8 ANY HGT	12.0	8.1	6.7	8.0	210
AR	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	88.0	91.9	93.3	92.0	2180
	ET, NH	80000	ĸ.	•5	4.	e.	<b>®</b> m
	HTS (FE 8 BY HD	6662	ů	٠.	• 5	• 5	<b>9</b> 6
10	5 HE 16	5000	1.1	.3	.2		5.
TABLE 10	EILIN	3500	3.2	4.4	1.9	2.8	74 3.1
	Y OF COUREN	2000	14.6	13.2	12.9	12.1	316
	REQUENCE OCC	1000	25.5	56.9	28.8	23.5	623 26.1
	ENT FR	666	18.8	19,3	16.3	18.5	436
	PERC	300	4.2	4.1	3.9	7.9	120
		150	1.4	1.5	1.1	2.0	36
696		000	18.1	21.7	27.7	24.5	548
1944-1 1899-1		HOUR (GMT)	60300	60390	12615	18821	PCT
PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1899-1969							
PERIODI							

			TABLE 11	_			CUMI LAT	IVE PCT	FRED	TABLE 12 OF RANGE	12 GES OF	VSBY (NM)	AND/OR
	PERCENT	FREQUE	PERCENT FREQUENCY VSBY		NM) BY HOUR			CEILIN	G HGT	(FEET)	NH >4/8	CEILING HGT (FEET,NH >4/8),BY HOUR	
<1/2	2 1/2<1	142	2<5	5<10	10+	TOTAL OBS	HOUR (GMT)	<150 <50YD	¢600	<pre>&lt;600 &lt;1000 &lt;1 &lt;5</pre>	1000+ AND5+	NH <5/8	TOTAL OBS
00803 13.0	0 4.5	5.3	15.4	22.7	39.1	617	60300	18.2	26.3	26.3 53.5	35.3	11.2	617
14,8	4.4	3.9	17.9	25.7	33.2	587	60390	06609 22.0		29.6 56.6	35.6	7.8	587
17.4	4.4	5.2	19.7	28.8	24.5	563	12615	12615 27.9	34.6	34.6 62.2	31.8	ა•9	563
19.1	1 4.6	5.8	15.5	25.0	30.1	809	18621	18621 24.7	37.7	37.7 62.7	30.4	6.9	809
381	1 107	120	405	605	757	2375	101 PCT	548	760	760 1393 32.0 58.7	791	191	2375

PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1899-1969

AREA 0008 DUTCH HARBOR 51-55N 165-1/2W

PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1899-1269

AREA 0008 DUTCH HARBOR 51-55N 165-172W	ITATION)
AREA 0008 51-55N	AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOC (WITHOUT PRECIPITATION)
TABLE 17	(DEG F) AND THE OCCURRE
-1969 -1769	PCT FREG OF AIR TEMPERATURE

0	FDG		4.	9.	6.	1.9	1.4	9.9	5.9	4.1	11.6	6.7	14.6	5.9	6.1	3.1	2.7	1.3	·.	9.	٠.	1825	71.8
3	FOG	*	#	m	٦:	۲.	•	1.1	2.7	2,3	2.0	2.3	5.5	2.0	2.4	۲.	1.0	۲.	~	.2	~	718	28.2
F) TOT		4	10	23	56	99	29	113	219	162	421	230	512	201	214	86	93	64	17	21	50	2543	100.0
CE (DFG F) 65	89	*	٠,	*	•	•	o.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Ŋ	.2
DIFFERENCE 7 61 6	49	*	٠,	۲.	*	*	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	7	<b>.</b>
<b>L</b>	90		٠,	٠	4.	٠ س		4.	• 5	*	*	•	•	•	·	o	•	o	•	•	•	40	1.8
TEMPERATURE	26	•	۲.	*	4.	1.3	6.	1.2	1.5	80	1.5	•	1.0	.2	o.	0	*	*	•	٥.	0	254	10.0
	52	•	•	٠.	.2		•	2.0	4.6	3.8	6.2	3.7	S.	5.4	1.6	=	4.	•	7	•	•	8	33.7
45		•	•	•	o.	~	<b>.</b>	٥.	2.1	1.6	8.5	4.4	12.5	4.6	5.1	2.0	1.9	٥.	4.	•	~.	1176	•
14	4	•	•	•	•	•	•	•		•	e.	4	•	. 7	1.7		1.3	6.	-	• 5		192	7.6
VS AIR-SEA 37 41 45	40	•	0	•	•	•	•	0	•	•	•	0	0	*	•	•	*	#	ó	-:	•	S	.2
AIR-SEA	TMP DIF	17/19	14/16	11/13	9/10	1/8	•	w.	4	m ·	7	<b>-</b>	0	7	2-	ro I	4		ç	-1/-8	-9/-10	TOTAL	PC1

PAGE 239

	HARBOR 2W		,	- O - A -		13	<b>&amp;</b>	0 0	<b>&gt;</b> c	• 0	0	0	0	9	၁	•	• 0	0	0	•	S.	4.4	İ	TOTAL						m	0	→ (	0 0	0	•	• 0	0	0	0	•		∞ ,	10.5
	165-17				•	•	0	o c		•	0	0	•	•	• (			•	0	•	0	•	(	+ 0 +		•	•	•	•	•	•	0	• ·	•	• •	0	•	•	•	•	•	0	•
	1-55N	FT.)	*		0	•	•	• ·	9 0	•	•	•	•	•	•	•	0	0	•	•	0	•	•	<b>1</b>		<b>.</b>			•	·	•	<b>.</b>	• ·	•	9	0	0	•	•	•	•	0	•
	AREA 51.	HEIGHTS (	,	7	•		0.0		•			0.	•	ဝ့		. 0				0	~ .			22-33						• 5				•			•			0		<b>4</b> 1	
		SEA	1.2	Ĩ	4	1.1			9 9			<u>.</u>	°.			•			•	•	V	7.7				•	7.7			• 1					•			•	°.	0	0	0	1.0
		VERSUS	01.4	•	1.2	4.	o c					•	o.			•			•		<b>→</b>		•								0				•			°.	o.	0	0	~	6.7
۲,	E 18	DIRECTION						•	•		•	•	•	o c			•	•		o c	<b>V</b>	7.		- C				•	•	•	o.	•	•			0	•	•	•	•	0.	7	7.
JULY	TABLE	(KTS) AND	TOTAL	5	13		<b>o</b> (	<b>o</b> ~	40	0	0	0	0	0 0	<b>o</b> c	• •	0	0	0		t	1.6	•	101AL			10		-	0	m n	v	<b>&gt;</b> C	<b>o</b> c	9	0	0	0	0	<b>၁</b> (		-	٠.٧
		SPEED (	187	•			0		0				•		•				•	o ·	0 (	•	C			•							•					·	•	0.0	•	<b>o</b> (	•
		OF WIND	34-47	•			• ·		• •			•	•	•					•	o c	<b>5</b> (	•		*											•		•	•	•	•	•	<b>V</b> (	7.
		T FREG (	N 22-33	s	0,	•	2.0	· -	• 0	0	•	•	•	0,0	•	•	•			0,1	η.	•	,	66-27	•	•	2	4	•1	0	o c	•	•		•	•	•	°.	•	٠,	0:	] [	•
	69	9			-		o c		•				•							•;	-					0.0	•	٠.	•	•		•	5 6				•	•	•	o c		<b>n</b>	
	1963-1969		01-7				, c														7		-		•															0,0			•
6	~		1-3				•														n •	•				• •											•			o c	•	<b>-</b>	:
-	(00.6		191	₹ 🕏	1-2	4 ·	9-6	- 1		12	3-1	7-1	2-0		3 - 6	1-4	9-6	1-7	1-8	+ 10 +	5 8	٠		2 3		1 4	5-6	_	8-0	10-11	יול ל	1 2	0=2	3-2	6-3	3-4		9-6	-	1-8	• •	5 6	

	DUTCH HARBOR	
	AREA 0008 DUTCH HARI	
JULY		0 - U - 0 < F
	RIMARY)	JEB-A1 1 1 1043-1040
	PERIOD: (PRIMARY)	ć

																											TAL	99	5	252	8	0	43	7	=	11	0	O	0	0 0	<b>&gt;</b> c	<b>o</b> c	0	0	0	4	·
	_					_					_	_	_	_	_	_	_	_	_	_	_	_	_	_			8 P			_	_		_	_	_	_	_	_	•					_	_		01
9	HAKBUK 7214		TOTAL	,	22	50	2.	4	56	•	<b>a</b> o •	3	9	0	0	•	0	9	0	0	0	0,	21	2/.0		1	TOTAL	ir,		22	<b>a</b>	-	0	0	0	0	0	0	0	<b>3</b> (	<b>3</b> C	<b>)</b> C	• •	0			6.1
=	165-17		+84	•	•		•	•	•	•	0	•	•	•	°	•	•	0.	°	•	•	•	0	•		- 1	4 B 4	•	•	0.		•			•		•					•		0.	•	0	o.
6	-55N	1	7-4E	•	•				0					٠ ن		•	၁.		•		•	•	01	•	13		34-47	•	•		•		·		0.			•	•	<b>.</b>		•		•		0	•
L	AKEA 51	GHTS (F	52-33	•	0	4.	•	1.3	•	•					•	0	0	•	•	•			5			,	22-33	•	•					•						•				•	•	7	•5
		SEA HEI	11-21	•	.7		5.5	•	•		7.	•	•	•	•	•	0.	•	•	•	•		125	•		•	11-21			1.5	9.			•	·	•	•	•	•	•			•	•	•	~	2.5
		VERSUS		•	1.8	•						•			•					•		0	4	6.0			4-10	۰.	1.5	6.	.2	•	•	•	o.	•	0.	0	o.	•	•		0	•	•	~	m m
<b>.</b> .	E 18	DIRECTION	1-3	•	::		•		•		o.		•	•		•	•	•	•	•	•	0	m,	*			1-3	•	•	•	7.		•	•	•	•		•	•		•			•	o,		
100	TABLE	KTS) AND	TOTAL		28				۲.	<b>~</b> (	۰.	<b>→</b> (	<b>o</b> (	o (	0	0	<b>o</b>	0	0	0	0	1	ς,	•		ď	TOTAL	19	34	48	36	17	'n	4	0	m.	0	0 (	9	<b>-</b>	o c	• 0	0	0	•	?	•
		SPEED (	+8+		0	•	•	•	0	0	• ·	•	•	၁ (	•			•		•			0	•		•	4 #	•	•	•						o				•				•		0	o.
		F WIND	34-47	•	•	0.	•	•	•	•	•	•	•	0.	•	•	•	0	၁	•	•	•	<b>-</b>	:			34-47	•	•	•	٥.	•	•	•	•	•	•	0	9	•		0	•	•	•	0	•
		T FREG D	S 22-33	•	0																		v		-	(	22-33	•	0	•	•	4.	• 5	4.	•	4.	0	o •	•	•	9	0	0	•	•	-	1.9
	69	a O		•	1.2	•	•	•										•	•	•	•	0 /	10	•	-	;	12-11	•	•	3.5	•	•											0	•		00	6.6
	1963-196				2.0	•	0.				٠							•		•			4	•		•	- 4	•	2.7	•	.2					•		•						•		٥	7.3
3	R-ALL)		1-3	.2	-:	•	•	0	•	•	•	•	•	•	•	•	•	•	•	•	•			•			1-6	4.																•		Λ,	•
100	COVE			~	1-2	•		_	8-6		77	7 - 7	1 0		7-0	0 0	, ,	4	9	7-1	α 1 1	<b>:</b>	<b>)</b> 0			•	5	-	1	3-4		-	9		77	3-1	֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	3 - 6	7-6	3 1	1-4	9-6		1-8	87+	- 4	J

JULY

	TOTAL	118	161	252	184	108	43	14	11	11	0	0	င	0	0	0	0	0	0	0	902	100.0
(FT)	48+	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
HE I GHT	34-47	•	•	•	₹.	•	•	•	•	.3	•	•	•	•	•	•	•	•	•	•	6	1.0
VS SEA	22-33	•	o.	7.0	•	3.0	3.0	1.1	*.	€0.	•	•	•	•	•	•	•	c.	•	•	117	13,0
(KTS)	11-21	0.	5.4	17.1	14.5	8.5	1.8	4.	.2	•1	•	•	•	•	•	•	•	•	·	•	434	48.1
SPEED	4-10	5.9	11.8	0.6	5.4	4.	•	0.	•	o.	Ö	•	•	•	•	•	•	•	•	•	566	56.62
ONIM	0-3	7.2	.7	.3	•5	•	0.	0.	•	•	•	•	•	•	•	•	٥.	•	•	•	92	4.8
	НСТ	<b>\</b>	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) TABLE 19

379 310 166 49 8 130 1046 87+ TOTAL 000000000 22.000.2 8-9 10-11 6600110068 7 5-6 88.0 88.0 88.0 82.2 82.3 83.0 84.0 84.0 14.7 8.9 11.7 11.7 00 00 27.1 25.9 1070 11.5 10.0 112.0 114.2 114.2 SEC (SEC) (S

<b>8</b> 08		TOTAL OBS		4 4															73	2625	100.0
DUTCH HARBOR 165-1724		ENA NO SIG	2.7	1001	80	2.1	1.3	2.2	2.2	4.1	3.3	5.6	6.5	12.6	5.9	5.4	2.2	*	1.4	1593	40.7
DUTC 165-		HER PHENDMENA DUST ND BLWG DUST SI BLWG SNDW WE	0.0		င့	0	•	0	•	•	0	•	•	•	•	0	•	•	0	0	•
0008 -55N	NO.																				
AREA 51	DIRECTION	S WEAT	* -	*	*	7.	•	.2	•		Τ.	-:	• 5	7.	·	-	#	•	*	30	1.1
	WIND DI	FOCE PCPN	'n,	7 7	m.	۳.	5	1.2	1.8	3.5	3.0	4.0	5.4	5.4	1.1	80	•	•	1.1	623	23.7
	BY	THDR	0.0	0	0	•	•	•	•	•	•	0	•	•	•	0	•	•	0	0	0
	OCCURRENCE	υZ																			
-		TOTAL PCPN 08S	12	6	13	17	50	33	18	55	58	55	34	47	12	Φ.	7	0	5	379	
TABLE	WEATHER	CT FREQ PCPN AT OB TIME	N 4		• 5	9.	Φ.	1.3	.7	2.1	1.0	2.0	1.3	1.8	• 5	<b>ٿ</b>		•	• 2	ı	14.4
	CY OF	HAIL P	0.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	٥.
	FREQUENCY	TYPE OTHER H FRZN PCPN	0,0	? •	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
	AGE	T NOT TO	0.0	0	•	•	0•	•	•	٠ •	•	•	•	•	•	0	•	•	•	0	0
	ERCENT	107	00	0	0	0	0	•	•	0	•	•	٥.	•	0	0	0	0	0	၁	0
	ď	PRECI FRZ PCP!													_	Ī	Ī	•	•		
		DRZL	6.0		<u>.</u>	N.	2	•	•	1.0	•	1.3	•	•		7.	2	•	~	199	•
943-1969 900-1969		RAINSHWR	* 0	•	*	0	•	*	•		7	*	_; ે	-•	•	•	0	•	•	14	ů.
		RAIN	<b>.</b> .	• 5	.2	٠.	•			1.1	•		•	<b>x</b>	7.	·	-	•	*	194	•
(PRIMARY) (OVER-ALL)		WND DIR	Z Z	N N	EN F	<b>.</b>	EST TOTAL	S (	SS	s i		30		3	2	Z	3 (Z	~	Σ	TOT 085	ص ص
PERIODI																					

PRECIPITATION TYPE
SAIN DRZL FRZG SNOW OTHER HAIL PCT FREQ TOTAL THOR FOG SMOKE DUST NO SHOW WEAR PERMISSION TYPE
SHWR PCPN AT PCPN LTNG WD HAZE BLWG DUST SIG SHOW DEAL PCPN AT PCPN LTNG WD HAZE BLWG DUST SIG SHOW WEAR PCPN AT PCPN LTNG WD HAZE BLWG DUST SIG SHOW WEAR PCPN BLWG SNOW BL

00603 06609 12615 18621 TDT PCT

HOUR (GMT)

TABLE 2

700 649 647 655 2651 100•0

AUGUST

			21				•	•	•	7.9				ë	•	•	•	•		• 0	100.0													
	RBOR		18	4.1	2.0	1.7	1.4	2.7	7.0	. 0	10	7.4	7	ው ፡	14.7	•	90	•	. 4	100	8				4	2	s.	4	<b>6</b> 0	<b>-</b> - (	<b>7</b> 6	۰.		5
	HA 724		15	3.6	4.5		•	•	•	. v.			0	3	5	ċ.	•	•	•	• ~	0			7	60	4	0	00	16	22		`	8	
	DUTCH 165-1		(GMT) 12	•		•	•	•	•	* "	•		•5	4.	•	•	•	•	•	909	•	•		18			'n	0	8	-4 ,	10.3	•	3.6	0
	0008 55N		HEUR CO	•	4	0	80	<b>.</b>	<b>3</b> (	20	•	2	7	م	- -	0	<b>⊃</b> ∢	• (	<b>&gt;</b> 4		0 10			15		•	•	7.	e.	•	2000	•	•	110
	AREA 51-		90	4 2	0	4	7 2	7	<b>~</b> 1	, ,	7	0 15	8 12	6	6 21	0 1	^ ·	-1 \$ (	7	•	0 100	•		GHT)	4.6	3,3	4.9	6	-	20.0	8.1	0	3.0	909
		HOUR		(c)	) N	۱ ⊶		<b>S</b>	٦,	• •	P 00	~	=======================================	0	16	00 1	٠,	•	•	0 L	100			HDUR 0	7.0	2.8	2.8	~	~	N,	0 40	0	1.4	7.1
		8	03	4.			•	•	•	6.7	7	3	•	o.	41	•	•	•	•	• 100	100.0			• •			•	۲.	<b>.</b>	•	7 8 0		3.7	_
		EED AND	00	•	•		•	•	•		• •	•	•	ċ.	•	•	•	•	•	758				60	۲.	8	۲.		4.	20	. 8		6.3	86
		BY SPE																						9	60	_	<b>S</b>	0	0	o .	3 2		9	<b>&amp;</b>
		RECTION B																						0	٠,	4	'n	Ο.	٥ ،	* -	10.	)	~	2
_	m	DIREC	MEAN	•		8	0	u	• •	15.2	9	5		'n.		• •	. מ			13.7		46	•											
	TABLE	NIN	PCT FREQ	•	•	•	•	•	•			7.	•		•	•	• •	•		•	0.00	•		MEAN		6		m,		. 4	13.4	2	•	13.7
		NCY OF	TOTAL OBS	121	5	57	51	106	9 1	140	9	3	œ,	→ (	2 (	J ~	-0	-	4 6	3137		•		PCT	•	•	•	6	•	•	8.0		3.1	
		FREQUENC	t 8+	0.				o c		*		•							•	-	*			OTAL OBS	-	0	00	0	2	7 (	307		0	
		PERCENTAGE	1	0.		•	*	* 1						7.	<b>.</b>	• •			•	46	1.5			41+ TE	•	•		*	* •	- 1	٠ ٥			'n
		PERC	(KNDTS)	9.		•1		4.		ω.	•	•	2.1	•	•	•	•		2		5.5	1		07S) -40	.2	* (	m .	•	•	0 4	, m	•	•	177
	.943-1969 .906-1969		PEED 1 22	•	9	4	<b>4</b> (	2 -	<b>→</b> (00	<b>,</b> ~							۰.		,	80	-	•		7 (KN	4	ın ı	<b>י</b> ח				· 00	0		•
	~ ~		WIND S 11-2	•			•	•	•	2		•	•	•	•	•	•	•		129	-			SPEE 17-2	-	•	•	•	•	•	8			80
	PRIMARY)		4-10	1.7			•		•	1.2		•		•	•	•	•	• (		0				WIND 7-16	•		•	•	•	•				1451
	(PRIM		6-0	•		4	~		•	7					•		•		•	276	•			9-0	•	•	•	•	•	•	1.9		3.1	0
	P <b>e</b> riod:		WND DIR	z	NNE	y i	ENE	7 L	1 1 1	SSE	v:	SSW	NS:	E / E	¥ 2	1 3	2 2 2	VAR	W I	T 085	T PCT			WND DIR	z	¥.	т (	, v	n u	7 3	Z	<b>V</b>	x c	_

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•		
•	-	
•	¢	l

										TOTA	75	33	34	72	51	9 6	179	139	207	196	150	149	99	7	1071	100.00
DR								(8/4)		NH <5/8	.7	4.			7	•	5	4.	۰,	1.5	1:1	1.7	.7	o i	7.0	12.4
DUTCH HARBOR 165-172₩								(FT.NH >4/8)	ION	8000+	•	•	9 9		7	0 0	? :	•	•	9 0	•	•	•	0.	- 1	.2
									DIRECTION	6500	•	o c	9 9	: :	0.	0.0	•	•	0.	::	•	.2	•	٠,	••	
A 0006								G HEIGHTS	DNIN	5000	0	•	- 0	0	0	000	•	•	.2	. 2		•	•	o c	• •	
AREA 51		A L	43	716	36			CEILING	<5/8 BY	3500 4999	۲.	۰,	:-	: :	0.	• -		-	m c	1.1		6.	٠.	۰,	91	3.1
	£	101			m	<b>.</b>	ABLE 6	40 Y)	Ĭ	3499	5.	2.	; -		•	t in	00	5	1.3	2.6	1.1	1.3	4.	•	238	12.1
	JR (GHT)	PCT				)	, A	FREQUENCY	INCE OF	1000	1.0		. 4	1.3		9	1.5	1:1	2.1	4	2.5	1.6	۲.	•	441	22.4
	BY HOUR	MEAN			_				AND DCCURRENCE	666		7.		'n	4	0 0	1.5	1.5	2.5	4	1.4	1.2		•	375	19.0
4	SPEED	CALM	3.5	2.6	3.1			ERCENTAGE	AND 0	300	•2	۰,	. 0	6	7,0	9.9	.7	•	0 0	1.3	• 2	e.	-:	:-	123	6.2
TABLE	QNIM	(KNDTS)	•••	∹°.	~ ₩			•		150	۲.	0.		7	-:	10		u.	ů,	. 7	0	2.	-:	0.0	3.6	1.6
	QUENCY OF	SPEED 34-47	1.4	2.0	1.5					000	9.	÷.		9	9.	1.6	3.7	9.2	8 6	7.4	1.0	œ ·	•	•	434	22.0
	FREQUE	WIND 22-33	15.8	4.5	8																					
	PERCENTAGE	11-21	40.5	48	1298			(EIGHTHS)	2	CLOUD	7.0	7.1	7.4	7.4	7.8	7.7	7.7	7.6	7.5	7.3	7.1	6.7	8.0	0.8	7.3	•
	PER	4-10	33.5	99	02					OTAL C	25	33	23	72	51	91	179	139	107	368	150	149	<b>0</b> -	<b>-</b>	971	0.0
0.0		1-3	0.9		179	•	*	D AMDUNT	RECTIO	-	'n,	J. 1.	0		~ ~	. 0	۰.		1.	m	6.	m -	- ·		51 1	-
943-1969		HOUR	60390 60390	12615 18621	707 PcT		TABLE	AL CLOUD	WIND DIRECTION	5-7 8 6 0850	~	7 7	•	9	w a	חח	61		ם ר	.0	6.	<i>u</i> .	~	- -	69 14	7 7
								F TOTAL	BY	4	4.	- 0	0	1.		. 7	<b></b>	٠, د	<b>,</b> r			n 1		2 ^		.9 1
(PRIMARY) (OVER-ALL)								FREQ 0		0-2 3	2.	:-	: -:		ه ،		٦.	<b>y</b> :						• ^	65	3.3
PERIODI								PCT		WND DIR	z	# Z Z	ENE	w	ESE TO TO	SSE	S	¥00		32	N.	* 3 Z 2		7 A 7	TOT OBS	PCT

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AUGUST

AREA 0008 DUTCH HARBOR 51-55N 165-172W
TABLE 7
) 1943-1969 L) 1960-1969
PERIOD: (PRIMARY) (OVER-ALL)

	# 80	6 6 7 7 2 2 2 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
NCE	■ OR >50YD	14000000 14000000 140000000
CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)	■ OR >1/4	6 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
LTANEDUS 8) AND V	)	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
DF SIMU (NH >4/	VSBY (NM	66594 6559 6559 6559 6599 6599 6599 6599
CT FREQ	■ 72 8 C	555055 50505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505 10505
JLATIVE !	■ 08 <b>&gt;</b> 5	444 B B B B B B B B B B B B B B B B B B
NO O	# 08 >10	200 1 80 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	CEILING (FEET)	08 > 2000 08 > 2000 08 > 2000 08 > 2000 08 > 2000 08 > 2000 08 > 2000

	12.5	NH <5/8:	PCT FREQ			: 1970	ER OF 085:	FOTAL NUMBER	10
_	1690	1536	1391	1337	1230	982	489	TOTAL	
w	85.8	78.0	70.6	6.79	62.4	49.8	24.8	0	. O.R.
v	65.3	64.7	63.5	62.4	59.1	48.2	24.6	>150	- 0K
v	63.6	63.3	62.2	61.5	58.3	47.7	24.5	>300	- OR
	57.6	57.3	56.6	55.9	53.7	44.5	23,6	>600 >	ě
•••	38.7	38.5	38.2	37.7	36.5	31.8	17.4	>1000	- OR
_	16.2	16.2	16.0	16.0	15.6	14.3	8.8	>2000	# 0R
	4.3	4.3	4.3	4.3	4.2	4.0	5.6	>3500	* O.R.
	1.2	1.2	1.2	1.2	1.2	1.1	6.	>5000	a OR
	•	•		•	)	•		0000	

TABLE 7A

TOTAL OBS	2108
08800	20.1
60	
~	6.5 11.9 45.3
•	6.5
*	3.7
4	3.1
М	2.6
2	1.9 3.3
-	1.9
0	1.7

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

		PCT	1.7	164 166	6.4.0 6.1.0	4.61	3.8	27.8	100.0
		TOTAL	44 371 415	31 87 118	61 108 169	11.00 9.4.5 9.4.6 2.4.6	99 698 797	23 726 749	2610 1
		CALM	2.00	044	040	N# 4	0,00	1.1	2.8
DUTCH HARBOR 165-172W		VAR	000	000	<b>0.#</b> →	000	000	000	<b>→#</b>
<b>В</b> ОТСН 165-17	PRECIPITATION	N N N	owa	0.46	##0	4.5	1.1	1.2	83 3.2
A 0008	RECIPI	X.	0.4	* - "	0.1.0	2.2	2.1	2.0	172
AREA 51-	OF.	N	# 45 12	* 0.0	120	2.00	2.1	9°0	193
	CTION VS OCCURRENCE OR NON OCCURRENCE TH VARYING VALUES OF VISIBILITY	3	4 6 4	44.0	2.0	1.8	5.9	5.4	442
	IBILIT	MSM	1.1		2.°°	1.0 33	3.1	2.6	271
	E OR N	MS	2.3	20 20	 	1.6	2.7	2.1	303
ш. 80	URRENC ALUES	ASS	2.02	100	1.81	1.1	1.9	2.8	193
TABLE	VS DC	S	4.5	1.3	# # H	94	2.2	1.5	250
	CTION	SSE	1.1	0.16	199	23.72	2.8	1.0	121
	D DIRE	SE	* 20	1.46	44.0	20.0	1.0	1.1	128
	OF WIND	ESE	0.4.1	2	n# 0	1.22	2 8 9	0,40	67
	FREQ	ш	# 2,5	*"4	44.0	122	.1 .7 22	1.2	3.1
	PERCENT	ENE	# 12,10	11.2	440	440	1.62	11.4	43
1969	<b>a.</b>	N H	2.10	* - " ~	11.0	444	1,7,00	.1	43
1943-1969 1900-1969		NNE	<b>°</b> # ∺	o#	1.1.2	10	* 50 00	.0.7	48 1 • 8
(PRIMARY) (DVER-ALL)		z	0	* N.º0	##0	44.0	3.6	1.8	3.7
			PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PERIOD:		VSBY		1/2<1	142	2 2 2	5<10	10+	•

		PCT	•		5.9	2.1	14.0		1.3	•		4.1	•	•	2.3	•	•		0 ×	• •		2.4	4.6	4.6	30.7		•	12.9	•	100.0
		TOTAL	27	5	181		459	80	39	53	56	126	18	3.6	72	20	178	21	90	100	391	73	€ .	<b>→ ト</b>	945	-	388	394	1000	3066
αc		CALM	٠,				15	7.				4	6				0	.2			•	9.			11	7.			4	3.1
HARBO		VAR	•	•	•	0	0	•	•	•	•	0	*	0	0	•	-	•	o c	•		•		90	•		•	o c	•	→*
DUTCH 165-17		Z	•		• 5	*	10	•	∹:	0	*	m	•		*	*	m	•1	- 0		9	.,	w.	* (*	34	ç		4-	37	93
0008 -55N		Z	*	.2	• 5	*	15	•	٠.	*	0	M	*	*	*	•	m	.1	7.4	2	23		٥.					6.4		207
AREA 51-	a	Z	•	Ġ	.2	•	15	*	7.	•.	•	•	•		.2	-:	10	•	ų 4	2	53		4.0		99	-	1.2	1.6	100	226
	ND SPEE ITY	*	٥.	9.	80	•5	40		∹:		* (	•	*	.2	T.	∹:	21	:		•	63	•	2.0	• •		4	2.1	N. 8	178	500
	VS WIND	M S M	٦.	5.	9.		04	•	7	m,	7 :	12	*	•1	6	ů.	<b>5</b> 0	*	4 4		38	•1	۲.		107	•	•	7. 4	80	308
	CTION OF VI	N	*	٠		m.					-:		*		4.				7.5				•	• •				. 4.		333
6	D DIRE VALUES	MSS				٠,							•		7.			o.	7.	4		٠,			19					231
TABLE	OF WIN	S	۲.	Φ.	1:1	5	4				<b>→</b> !		۲.		.2				, i				<b>.</b>						9	285
	T FREG WITH VA	SSE	•1	.2	•	-	31		7		* (		•	*	ě			•	- 9	: :	54		ů,		34	*	4.	* -	53	135
	PERCENT	SE	*	4.	•2	.2	53	*			- :		*	*		7		*	m N			•2	ů, n	, ~		.1	Φ,	• -	4	154
	•	ESE	•	7.	₹.	٦.	11	•	*	•	* (	7	oʻ	*	7	~•	9	*	- ~	! -:	13	*	4 n	2 2	31	0		7.	12	75
		ш		∹:	*	*	5	0	*	₹.	ک	4	•	*	*		^		~ ~		13		u, a	:			۲.	o #	46	3.3
		E N	*	۲.	-:	•	2	0	香	٠,	-	^	*	7.	*	# 1	Δ	*	20			*	<b>"</b> (	.0	17	*		-0	13	51
1969		M Z	•	*	*	•	7	#	઼	∹'	۰,	7	•		*	# 1	Δ	0.	* -		4	*	~-	•	11	6	9.	- 0	30	5.5
1943-1		N N N	0	*	•	•		•	*	္ (	٠ •	<b>-</b>	0.	#	•1	0	c.	0.			7	*	2,4	: :		7	٥.		23	58 1.9
(PRIMARY)		Z	*		*	*	7	*	→ '	•	<b>*</b> ,	Λ	•	٠.	*	•	M	•	*	7.		.2		, w	04	m		0 7	58	3.9
_		SPD KTS	0-3	2	11-21	52÷	TOTAL	6-0	2	11-21	+77	TOTAL	0-3	4-10	11-21		TUTAL	0-3	4-15 11-21	22+	TOTAL	6-0	0,7	22+	TOTAL	0-3	27	17-17	TOTAL	TOTAL
PERIOD		VSBY (NX)		<1/2					1/2<1					1<2					552				2<10				10+			

DUTCH HARBOR 165-172W		TOTAL OBS	517	509	477	164	2000	
AREA 0006 51-55N	Q	NH <5/8	17.2	13.0	12.2	10.7	266 13.3	
AR	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	82.8	87.0	87.8	89.3	1734 86.7	
	EET, NH DUR	8000+	4.	•	•	*	4 11	
	HTS (F)	6500 7999	• 5	4.	8	4.	ۍ بن	
10	G HE I GH NH <5/1	5000 6499	1.0	4.	4.	4.	11.	
TABLE 10	CEILIN CE OF	3500	3.3	2.8	5.9	3.2	9.1	
	CY OF	2000	11.4	11.0	12.2	13.3	6	
	REQUEN OC	1000	.8 16.8 23.2	23.8	20.1	21.1	442	
	CENT F	009	16.8	.9 22.2 23.8	.1 16.6 20.1	19.5 21.1	123 376 442 6.2 15.8 22.:	
	PES	300 599	6.9	4.9	6.1	6.8	123	
		150	1.9	2.0	*	1.8	31	
1969 1969		000	17.8	19.6	28.3	22.3	438 21.9	
1943-		HOUR (GMT)	00000	60390	12615	18821	707 PCT	
PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1900-1969								
PERIOD:								

	AND/OR	TOTAL OBS	508	504	471	487	1970
	Y (NH)	NH <5/8 AND 5+	15.2	12.1	11.0	80	233
	VSB 8),8	N A					
12	GES DF NH >4/	1000+ AND5+	33.7	30.8	29.3	33.1	625
TABLE 12	OF RAN (FEET,	<pre>&lt;600 &lt;1000 1000+ &lt;1  &lt;5 AND5+</pre>	29.9 51,2	29.0 57.1	36.7 59.7	32.0 58.1	627 1112 31.8 56.4
	FREQ G HGT	<b>6</b> 000	29.9	29.0	36.7	32.0	627
	IVE PCT CEILIN	<150 <50YD	18.7	06809 20.2	12815 28.5	18521 22.8	442
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	HOUR (GMT)	€0300	60390	12615	18521	TOT
		TOTAL OBS	508	504	471	487	1970
	Y HOUR	10+	37.6	34.9	26.1	33.5	653 33.1
_	(NM)	5<10	27.6 37.6	28.2	31.4	27.1	562
TABLE 11	CY VSBY	2<5	11.8	12.9	13.8	13.3	255 12.9
	FREQUEN	142	5.1	5.0	6.2	0.9	109
	PERCENT FREQUENCY VSBY (NM) BY HOUR	1/2<1	3.9	2.8	2.8	1.8	56 2.8
	۵	<1/2	14.0	16,3	19.7	18.3	335
		HOUR (GMT)	60300	60390	12615	18621	T07

0008 DUTCH HARBOR 55N 165-172W	TABLE 14	UF WIND DIRECTION BY TEMP	S SW W NW VAR CALM	.2 .1 .0 .0	2.6 .7	13.6 11.6 4.4 .0	5.1 7.0 2.9 .0	0. 1. 4.	436 402 132 0	0. 7.0 /.17 6.67	TABLE 16	RELATIVE HUMIDITY BY HOUR	70-79 80-89 90-100 MEAN TOTAL 085	38.8 47.8	36-1 56-1 90	7 31.0 62.1 92 518	16 2040 7017	7 06 0/01 479
AREA 0008 51-55N		FREQUENCY	E SE	2.		2.6	2.0		192	**01		FREQUENCY OF	30-59 60-69			E		
		PERCENT	z		0.5	_	_		•	"		PERCENT	0-29	0. 60300		12215 .0		101
PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1900-1969	TABLE 13		TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ	.0 .0 .1 .1 .2 .1 .1 .8	20, 20 .0 .0 .1 .2 .2	55 C. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	0 0 0 0	91 6. 0. 0. 0. 0. 0. 0.	0 0 0 2 20 147 620 1065 18	.0 .0 .1 1.1 7.9 33.4	TABLE 15	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR	MAX 99% 95% 50% 5% 1% MIN MEAN 1	64 59 57 67 45 43	68 60 57 51 47 45 43 51.6	67 57 55 50 46 44 43 50.2	69 59 57 51 46 44 43 51.0	69 61 57 51 46 45 43 51.3

PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1900-1969

TABLE 17

AREA 0008 DUTCH HARBDR 51-55N 165-172W

PCT FRED OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

3 G 0 0	11 11 12 13 14 14 16 16 16 16 16 16 16 16 16 16
3 C)	01600000000000000000000000000000000000
101	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
65	***************************************
61	O############
57	01418110040####100000044
53	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
49 52	14 00 4 4 00 4 00 4 00 4 00 4 00 4 00 4
4 8 8	00001180080LUULU 10000
<b>4</b> 4 7	0000000011111000#1110040
AIR-SEA TMP DIF	17/19 14/16 11/13 9/10 7/8 5 6 6 7/8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

HARBOR 72W			TOTAL	80	in c	<b>10</b>	<b>⊸</b> -	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0 ;	2.5	•		TOTAL	2	12	22	23	14	-	M	7 6		• 0	• •	c	0	0	0	0	0	0	06	8
DUTCH 165-17			48+	•	0.	0	0	•	°.	•	•	0.	•	•	•	•	•	•	•	•	•	•	9	:		48+	•	•	•	•	•	•	0	: 0			•	C	•	•	•	0.	•	0.	7	1
A 0008	FT.)	N.	7-4	•	•	2	٠.	•	•	•	•	•	٥.	·	•	•		•	•	•	0.	9	9 0	}	<u>.</u>	34-47		0	•	7.	•	2	•	•	2	0	•	0	0	•	•	•	•	•	7	-
ARE	HEIGHTS (			•	o c	•	٠ •	•	•	•	•	•	°.	•	•	•	•	•	•	•	•	0.0	9 6				•	0		•5	4.			: `					0		•	•	0.	•	16	1 7
	SEA HE		11-21	•	₹,	0.		•	•	•	•	•	•	•	•	•	•	•	•	•	0	•	9	•		11-21		4.	6.	2.2	1.1	•	0.0	? -	•	0	•	0	•	•	•	•	•	•	44	A . A
	VERSUS		4-10		4.			•	•	•	•	•	•	•	•			•	•	•	0	0 0	1.3	•		4-10	∞.	•	1.1	°.	•	•	•	•		•	•	0	•	•	•	•	•	•	52	2.7
18	DIRECTION		1-3	?	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		าก			1-3	ů.	0.	•	•	•	•	•	9	0	•	0	0	•	0.	•	•	•	•	m	•
TABLE	KTS) AND		TOTAL		77		- 1	• .	<b>.</b>	4	0	-	0	0	0	0	<b>3</b> (	<b>ɔ</b> (	<b>&gt;</b> (	<b>&gt;</b> (	<b>&gt;</b> (	0 0	5.4			TOTAL		15			•	ın o	<b>N</b> (	<b>.</b> "	0	0	0	0	0	0	0	0	0	0	0	7.5
	SPEED (		+8+	0	•	•	•	•	0	•	•	•	•	0	•	•	့်	•	•	•	•	•	9			48+	•	•	•	•	•	•	•	•	•	•	•	0	•	•	•	•	•	•	0	•
	F WIND		34-47	•	0	•	•	•	0	•	•	0	•	0.	0	0	0.	•	•	•	•	•	O C	•		34-47	•	•	°	.1	•	7	o, c	•	•	0	0	0	•	•	•	•	•	•	7	0
	FREQ D		22-33	•			7.			•	•	٦.	•	•	•	0	•	•	•			• °	1.0	)	_	22-3	•	•	•	• 2		- •		ָר י					0		•			•	-	7
6	PCT		11-21		- "				•		•		•		•	0	•	0.					1.5		•			•	1.1	٥.									•	•	•	°		•	2	
1963-1969			4-10	•	0.0	•	• •	•	•	0	•	•	•	0.	•	•	•	•	•	•	•	0.0	2.6			4-10		1.1	Φ.	•	0	•	•		0	0	•	0	0	•	•	•	•	0	7	2
MARY)			1-3				•					•			•			•		•		• •	. 2			1-3													c.					•	7	
D: (PRIM			HG1	→	7-1	, ,	1	-	8 - 6	10-11	12		7	0-5	7-6	6-3	1	† \   → (	10	1	1 1	~ ►	PCT			HGT	₽	1-2	3-4	2-6	7	8 - 6	10	3-1	7-1	9-2	3-2	6-9	33-40	1-4	9-6	1-7	1 6	+/8	-	PCT

(PRIMARY)

		GRAND 174 174 234 234 192 110 110 19 19 100 00 00 00 00 00 00 00 00 00 00 00 00
HARBOR 72W	101 4 4 8 8 4 4 1 1 4 4 8 4 4 4 1 1 4 4 4 8 8 4 4 4 1 1 4 4 4 4	10 10 12 24 31 11 11 00 00 00 00 00 104 11.4
DUTCH H 165-172	+ 0000000000000000000000000000000000000	* ••••••••••••••••••••••••••••••••••••
A 0008 1-55N	Z 0 0 0 1 0 N 0 N 1 0 0 N 0 0 0 0 0 0 0 0	t
AREA 51- IGHTS (F)	2000	22 8 9 9 1 1
SEA HE	11 2-14 22 4-10 10 10 10 10 10 10 10 10 10 10 10 10 1	1 0 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2
VERSUS	2 44 6 4 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0041110000000000000000000000000000000
AUGUST TABLE 18 AND DIRECTION		<u></u>
AUG TAB (KTS) AND	TDTAL 28 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	101 PE 46 421 112 PE 46 421 112 PE 46 421 122 PE 46 421 122 PE 46 421 122 PE 46 421 PE
SPEED	+ 0000000000000000000000000000000000000	+ 000000000000000000
OF WIND	4.0000001100000000000000000000000000000	4 000000000000000000000000000000000000
T FREG	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22-33 - 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
9 PC	11 22 12 12 13 13 13 14 15 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	11-21 11.00 11.00 11.00 11.00 11.00 11.00
1963-196	1 44 0 1 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
MARY)	m m -1 N 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	u .w.v.o.o.o.o.o.o.o.o.o.o.o.o.
OF CPRIV	T 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4	HGT 11.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.

AREA 0008 DUTCH HARBOR 51-55N 165-172W

	TOTAL CBS	111	175	235	193	110	53	35	16	19	4	2	m	7	0	0	0	0	0	0	156	100.0
(FT)	+8+	0.	•	•	•	•	•	•		•	0.	0.	•	0.	•	0.	0.	•	0.	•	7	• 1
HEIGHT	34-47	•	•	•	٠.	•	4.	.5	٠.	.1	7	•	• 5	•	•	•	°	•	•	•	23	2.4
VS SEA	22-33	0.	•	1.4	2.8	3.7	5.4	2.1	9.	1.7	.2	.2	٦.	7.	•	•	•	•	•	•	146	15.3
(KTS)	11-21	0.	5.0	13.9	13.9	7.0	2.4	6.	4.	• 5	•1	•	•	•	•	•	•	•	•	•	450	43.9
SPEED	4-10	6.2	12.1	8.7	5.9	œ.	e.	7	•	•	•	•	•	0	0.	0	•	•	•	•	867	31.1
MIND	0-3	5.4	1.1	9.	•	•	•	•	•	o,	oʻ	•	•	0.	•	?	•	•	•	•	69	7.2
	нст	<b>∵</b>	1-2		2-6	1	8-9	10-11	12	13-16	7	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

MEAN	<i>w</i> •	^	0	11	12	0	5	
TOTAL	307	174	99	35	6	99	1058	100.0
87+	00	0	•	0.	•	0.	0	•
71-86	• •	0	0	•	•	•	0	•
61-70	00	•	•	•	•	•	0	•
09-64	00	0	•	•	ပဲ	•	)	•
41-48	00	•	•	•	•	•	0	•
33-40 4	00	0	•	•	•	•	0	•
26-32	00		~;	•	•	0	7	•2
23-25	00	w.	7.	•	•	•	*	4.
20-22	•••	•	7		0	•	4	4.
17-19	0.1	•	• 5	•	•5	•	2	.5
13-16	7.6	6.	4.	•	ć.	•	40	3.8
12	0,0	6.	0	• 5	•	•	28	5.6
10-11	4.1	1.2	oʻ.	1.2	•	•	54	5.1
8-8	2.4	5.9	2.1	.7	•	•	46	8.9
7	2.6	5.1	1.0	•	•	•	159	15.0
2-6	7.6	3.6	4	0	~	-	245	23.2
3-6	13.8	6.	ď.	•	•	-:	508	19.8
1-2	10.9	'n	•	•	•	m.	138	13.0
•	1.2	•	•	•	0	0.9	16	7.2
PERIOD (SEC)	0 × 0 × 0	8-6	10-11	12-13	<b>&gt;13</b>	INDET	TOTAL	PCT

BOR		TOTAL OBS	143	72	44	89	101	69	108	100	161	96	158	167	323	221	220	152	0	30	2286	100.0
DUTCH HARBOR 165-172W		HENA ND SIG	5.0	5.4	5.9	1.5	2.4	1.8	2.8	2.4	3.8	2.7	4.8	5.8	11.8	8.5	8.2	6.1	•	6	1688	73.8
		OTHER WEATHER PHENOMENA OG SMOKE DUST NO O HAZE BLWG DUST SI CPN BLWG SNOW WE	•	•	*	•	٠.	•	•	•	•	•	•	•	*	•	•	•	•	•	7	. 1
AREA 0008 51-55N	DIRECTION	MEATHER PHOKE DUSHAZE BLWG	*	0	•	0	*	?	•	0	7	•	*	•	*	•	•	*	•	*	80	6
Ā	1RE	ER SHO		Ī	Ī	•		•	Ī	Ī		·		•		•	•		Ĭ			•
	WIND D	FOG WO	.2	*	ů	ů.	.5	.3	•	1.1	1.4	.7	6.	•	.7	.5	4.		•	6	210	9.5
	BY	THDR	0.	•	•	•	•	•	•	•	0.	0	0.	•	·	•	•	•	•	•	0	•
1	OCCURRENCE	TOTAL PCPN OBS	23	15	23	27	34	20	59	19	36	19	27	21	34	16	22	σ	0	2	378	
TABLE	WEATHER	PCT FREQ PCPN AT OB TIME	1.0		1.0	1.2	1.5	6.	1.3	φ.	1.7	∞.	1.2	6.	1.5	.7	1.0	6.	•	7.		16.5
	NCY DF	HAIL P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
	FREQUENCY	TYPE JTHER FRZN PCPN	•	•	•	•	•	•	•	·	•	•	•	•	•	•	•	•	•	•	0	•
	PERCENTAGE	SNON	0.	•	•	•	•	•	•	•	•	•	્	•	•	•	•	•	•	•	0	0
	PERCI	PRECIPIT FRZG PCPN	0.0	•	•	•	•	•	•	•	•	٠.	•	•	•	•	•	•	•	•	0	•
		DRZL	4.0	4.0		*	-		•	4.	<b>.</b>	m.	<b>.</b>	7					•	*	154	6.7
1943-1969 1900-1969		RAIN	0	# (	•	•	•	*	•	•		-:	•	7.	-	∹.	•	•		•	23	1.0
		FAIN	9.	<b>.</b>	- 1	•	. 7		•	4.	o.	·.	0	*		· ·	•	m.	•	-	207	9.1
(OVER-ALL)		WND DIR	Z	# C	2 2	N N	ш ;	ESE	S.E.	SSE	'n	SSE	N.S.	303	*	3 :	Z	Z	VAR	_	TOT 385	TOT PCT
PERIODI																						

OTHER WEATHER PHENDMENA

G MO HAZE BLWG DUST SIG

PCPN BLWG SNOW WEA

9.3 .2 .2 76.1

10.0 .7 .2 73.5

6.8 .4 .0 75.3

10.8 .2 .0 70.2

212 8 2 1698

9.2 .3 .1 73.9 PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR THOR 000000 TOTAL PCPN OBS 93 86 104 379 MAIL PCT FREG PCPN AT OB TIME 14.4 15.6 17.6 18.8 000000 PRECIPITATION TYPE
DRZL FRZG SNOW OTHER P
PCPN FRZN
PCPN 000000 000000 000000 6.5 6.2 6.4 7.8 1154 RAIN .9 1.1 1.3 23 1.0 RAIN 7.4 8.5 10.6 9.9 208 9.0

00603 06609 12615 18621 707 PCT

HDUR (GMT)

TABLE 2

TOTAL OBS 648 550 547 554 2299 100•0

SEPTEMBER

		=	N O N 4	100044	. O 00 O O 00 O	440000		
		2			7 8 W W 1	0 74		
RBOR		18			11.44.19	962.		400mmr0m000
HA ZH		15			70000	• • • • • •	~	40001100
DUTCH 165-17		2			0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10	18	10.5 8.1 10.7 10.7 10.7 10.7 10.7 10.7
00		(GMT 12			1001		15	8 8 5 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
A 000 A		HBUR 09	0 M M M		10000			11 12 25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ARE/		90	m rv 0 0	. W L L L O	70101	-	(GMT)	0 - 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	HOUR		2004	10,0400	4 6 6	10001	HDUR 09	0 4 8 7 9 9 4 7 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	8Y H	03			64111	8 8 .	•	
	AND	00	25.00	0.0000	8 1 8 5 6 6 7	7.0	•	0.0000000000000000000000000000000000000
	SPEED		1 - 10 - 4		7777	01	60	13.1 10.7 10.7 10.7 10.0 10.0 10.0 10.0 10
	N BY						00	10.7 7.11 7.11 10.9 10.9 1.71 1.11 1.11
	RECTION	N O		1-40vm	000000	1000		•
Б.	0	A S	0440	45000	445111	L 10	LE 3A	
TABL	F WIND	PCT FREQ	N W 4 V	40041	13.7 13.7 19.3	9 7 0	TABL MEAN SPD	20014441 1 20007481400 2
	NCY D	TOTAL	2001	0 m 4 w w	115 203 199 382 259 279	L 40	FREG	400001140011
	FREQUE	484	2000		0 * * 0 0 *	-0 mm	TOTAL OBS	262 196 205 276 276 313 402 641 454 0
	ERCENTAGE	S) 34-47	7.1.1.				41+	
69	PER	D (KNDTS 22-33 34	4 9 8 6	11.00.1	7.1.5.0.1.	• • -	KNOTS) 28-40	1
1943-19 1900-19		IND SPEE 11-21			0 4 0 0 0 V		SPEED (	7404644 80 74046 1010 80
RY) ALL)		4-10			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		WIND 7-16	8 7 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(PRIMA		6-0		64444	พากงาน	Honoo	9 -	
PER100:		KIN DIN		S S S S S S S S S S S S S S S S S S S	7 7 7 7 7 X X X X X X X X X X X X X X X	NNW VAR CALM TOT OBS	*ND DIR	CALANE SON TO

AREA 0008 DUTCH HARBUR 51-55N 165-172W
AREA 0008 51-55N
TABLE 4
PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1900-1969
PER 100

											1	
		PER	PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)	FREQUE	NCY OF	NIND S	PEED B	Y HOUR	(GMT)			
HOUR	1-3	4-10	4-10 11-21	WIND 22-33	WIND SPEED (KNOTS) 22-33 34-47 48+	KNOTS)	CALM	MEAN	PCT FREQ	TOTAL OBS		
00503	4.1	27.3	44.3	18.1	5.0	2.	1.0	16.2	1.0 16.2 100.0			
60390	0.4	30.3	41.4	18.9	3.3	.*	1.7	15.4	100.0			
12615	2.0	30.2	44.0	17.9	4.5	.2	1.3	15.6	100.0			
18621	3.6	28.4	43.4	19.3	3.0	<b>m</b>	1.9	15,3	100.0			
TOT	86	808	1207	517	111	60	41	15.7		2790		
PCT	3.5	29.0	43.3	18.5	4.0	m.	1.5		100.0			

			TOTAL OBS	117	61	6/	53	9	53	81	91	147	77	127	130	275	187	189	134	c	30	1911	100.0
	>4/8)		NH <5/8	1.9	4.	٣.	4.	5.	€,	9.	9.	1.2	<b>.</b>	1.2	1.4	5.9	3.2	3.0	1.8	•	4.	398	20.8
		N C	8000	•	•	٦.	•	•	•	-	•	7.	•	•	•	<b>.</b>	٦.	•	•	•	• 1	12	9
	HEIGHTS (FT,NH	DIRECTION	6500 8	۲.	•	•	0	0.	٦:	۲.	•	٦.	•	•	•	•	•	٦.	0.	0	٠.	9	.3
	G HEIG	NIND	2000	•1	•	7	0	•	7.	•	۲.		•	°	•	• •	•	•	•	•	٦.	œ	4.
	CEILING	5/8 BY	3500	.2	۲.	•	۲.	0	•	٠.	•	•	۲.	•	.2	۳.	•5		٣.	•		47	2.5
TABLE 6	CY OF (	OF NH <5/8	2000	4.	•	4.	-:	5	4.	.2	•	•	•	80	1.0	2.8	1.3	1.2	€.	•	7.	234	12.2
TA(	FREQUENCY OF	ENCE D	1000	1.5	•	6.	1.0	1.3	٥.	1.4	1.0	2.0	6.	2.3	2.0	3.6	2.7	2.7	5.4	•	6.	532	27.8
		OCCURRENCE	009	1.4	€.	1.2	'n	80	9.	5.	. 7	1.7	1:1	1.0	1.5	2.7	1.4	1.4	1.0	°.	• 5	357	18.7
	PERCENTAGE	AND	300	• 1	• 2	۳,	•1	<b>.</b>	۲.	•1	• 2	• 5	<b>ب</b>	2.	m 1		•	4	۳.	o.	•	78	4.1
	_		150	-:	۲.	-:	• 5	.2	•	°	۳.	e.	0	.1	•	.1	•	•	٦.	•	٦.	23	1.2
			000	5.		4.	4.	•	٠. د.	1.2	1.4	1.6	80	٥.	4	٥,	9.	4.	e.	•	4.	216	11.3
	TOTAL CLOUD AMOUNT (EIGHTHS)	2 4 2	CLOUD	6.5	7.1	7.1	7.5	7.4	7.6	7.4	7.4	7.1	7.5	7.1	8.9	6.5	6.1	<b>6.</b> 2	6.5	•	7.3	8.9	
	MOUNT CE	LION	TOTAL OBS	117	61	4	53		53	.† 8	91	147	11	127	130	275	181	189	134	0	30	1911	100.0
TABLE 5	LOUD A	WIND DIRECTION	9 8 09860	3.0	. 9	•	2.3		2.0	3.1	3.7	2.0	رن س	4.	4	•	n (	3.7	e.	•	•		•
TA	TAL C		5-7	2.1	0.1		e.	5		æ ·		1.4		<u>-</u>	1.		•		2.5	•	·	24	28.4
	P	<b>B</b>	3-4	2	7.	~	-	2,	<u>.</u>	2.	•	4	~ !	٠.	* .	٠,	*	1.4	1,0	0	.2	157	8.2
	T FREQ		0-5	IÇ.		2.	<b>-</b> ;		o.	-:	?	4	-:	٧.	•	۸ ۱ •	٠.		ů.	0	•	4	5.1
	PCT		WND DIR	Z		2		ш ¦	ESE	SE	SSE	S	SSE	X :	3	*	2	2	3 Z	VAR	CALM	TOT 085	104 101

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DUTCH HARBOR 165-172W
AREA 0008 D 51-55N 1
TABLE 7
(PRIMARY) 1943-1969 (OVER-ALL) 19C0-1969
ER1001

DCCURRENCE	(NH)
	VSBY
TANEDUS	AND
SIMULT	>4/8)
OF S	IZ.
PCT FREQ	HEIGHT
UMULATIVE	CEILING
E E E	5

	# 0 8 0	89	3.7	16.0	43.9	62.6	66.7	64.69	79.1	1507
	■ DR >50YD	ю.	3.7	15.9	43.8	62.5	9.99	67.8	78.8	1521
	- OR	ω, r	3.7	15.9	43.7	62.4	66.5	67.7	77.0	1467
_	- OR >1/2	80,	3.7	15.8	43.5	62.1	66.1	67.3	74.3	1417
VSBY (NM	• R \		3.7	15.7	43.4	61.4	65.3	66.4	72.1	1374
	• 22		3.5	15.4	42.3	59.4	63.1	64.1	68.2	1299
	# %	•	3.3	14.1	36.6	50.2	52.8	53.5	55.7	1061
	* OK	ů	2.5	7.6	22.8	28.6	29.9	30.1	30.5	581
	CEILING (FEET)	OR >6500	OR >3500	OR >2000	OR >1000	^	OR >300	^	OR > 0	TOTAL
			• •			*	•	•	**	

TOTAL NUMBER OF OBS: 1906 PCT FREQ N

PCT FREQ NH <5/8: 20.9

TABLE 7A
PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL OBS	1979
0 <b>88</b> CD	10.6
•	38.7
7	13.3
•	4.6
•	4.9
4	5.3
ю	6.2
2	5.5
7	2.8
0	1.6

		PCT	4.0 4.0	9.5 1.0 1.0	01 € 4	5.4 8.5 13.9	6.1 26.3 32.4	41.04	100.0
		TOTAL	13 103 116	44 44 40	46 51 97	123 193 316	138 598 736	32 908 940	2275 100.0
~		K. J.	044	•••	* ~ ~	* o =	0,00	0 0 4	30
HARBOR	_	VAR	000	000	•••	000	000	000	00
DUTCH HARE 165-172W	TATION	3 Z Z	o, * ~	* 0 =	0#-	1.01	2.0	w • œ ₩ 4 4	151
S1-55N	PRECIPITATION	Z	o * ~	* <b>-</b> • w	12.8	2.7	9.0	4.6	218 9.6
AREA 51-	E 0F	Z Z	0 10 10	# N IN	# 10 10	19	2.8	• •	221
	URRENC Y	3	# " @	400	# 10 00	4.18	4.4	14.5	322 14.2
	NON DCCUR	E S	040	448	10.2	.1 .7 20	25	• • •	166
	R ~	N.	111	 	i* 4	29.7	1.1	2.6	158
<b>6</b> 0	OCCURRENCE	NSS		# m L	4.4	N 8 9	2.9	1.1	4.5
TABLE	IN VS DCC	v	2.8	* - " "	440	••w	1.3	2.00	161
	H.	SSE	0 9 4	# - <del>-</del> n	44.		1.0	313	9. 4 8. 9.
	D DIREC	SE	200	44.0		4.0.2	 6 . 0	1.00	108
	ON I	w '	0 2 5	**~	2 - 0	22.0	4.00	1.1	3.0
			e.n.	* ~ 0	440		1.1	1.1	100 4.
	ER CN	ENE	* 14	40 W	71.5	4.1.2	440	* 6 0 1	6.2
1969	ο.	ш 2	0.1.6	* 0, -	2 - 8	2.5	31.9	32.4	4.2
1943-1969 1900-1969		N N	000	0.1.0	* * 0	1152	20.5	1 · · · · · · · · · · · · · · · · · · ·	3.5
(PRIMARY) (OVER-ALL)		z	* 4	n# 0	~* m	11.52	1	3.0	145
-			PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOT 1	PCP NO PCP TOTAL	PCP NG PCP TOTAL	PCP NO PCP TOTAL	PCT
P <b>e</b> riod:		VSBY	<1/2	1/2<1	1<2	2<5	5<10	10+	

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

AREA 0008 DUTCH HARBOR 51-55N 165-172W

	PCT	w.	1.8	-	4.4	•	.7	1.0	1.0		7	1.5	1.6	3.9		3.1	4 4	12.6	1.5	7.4	14.0	31.2	2.8	15.5	20.5	45.0	100.0	
	TOTAL	6	4 4	18	122	0	20	28	28 76	•		41	45	109	4	986	132	349	41	204	386	232	77	428	260	183	2767	
	CALM	7.			4	•			0	•	•			S	*			<b>→</b>	4			1	.7	,		19	1.4	
	VAR	•	0	•	0	•	•	•	• •	c	9	•	0	0	0.	•	•	•	•	•	•	. 0	0	0	0	00	00	
	Z	0,0	*	•	-	•	•	•	. 2	c	*	•	•	-	•	ei c	7.0	17	7	•	æ r	• 0	7	1.0	1.6	• 6 9 6	174	
	Z	o.*	0	0	-	0	*	1,	<b>*</b>	c	0	7	۳,	10	•	ન '	7.0	25	7.	9.	1.9	. %	25	1.7	2.3	141	277	
	X X	0	: :	•	'n	•	•	-:	∵•	ς,	*	7	7	9	*	÷'		19	•1	•	1.4	. 8	*	1.4	3.0	142	258	
۲۲	3	0	::	7	0	•	7	-:	11	Ç	0		7.	<b>60</b>	•	4.	٠ <u>﴿</u>	9	.2	1.2	2.1	128	6	2.1	5.9	1.2	377	
OF VISIBILITY	MSM	* -	: 7	•1	σ.	•	7	7	<b>*</b> •	Ċ.	*		•	m	•	٠,		24	•	9.	1.4	• • •	1.	8	1.7	4.6	196 7.1	
	NS	0,0	:	*	=	•	-	7	# co	ď		*	*	5	0	~	• •	58		٠.	1.0	57	4	1.3	1.4	. o.	203	
VALUES	NSS	0.7	7	7	0	•	-	* •		0	0	7	7	4	•	ų, a	•	92	•	6		35	-	4.	9.	3.5	113	
VARYING	s	0,5	4	*	22	0	•	<b>:</b>	# m	0	7	• 5	7	10	•	٠. د	9	36	*	•		54	*	1.0	1.3	7.5	198	
H	SSE	1.		-	15	•	0	;	o w	0	*	*	.2	7	•	٠,	• ~	19	*	.2	-	3.6	*	9.	φ.	• 4 W @	128	
*	SE	o *	6.	•1	=	•	*	₹.	:•	o.	7	.2	•2	14	0.1	u 4	'n	52	ပ္	4.	* 4	33	7	₩.	٠.	55	144	
	ESE	0.7		•	5	•		0	۰ م	0	•	.2	7	0	•	<b>.</b>	::	0	*	7	٠ د	25	*	9.	4	•1 32	82 3.0	
	uı	۰. ۲		7	<b>∞</b>	•	<b>∹</b>	-:	• •	0	7	*	-	•	0.	2.4	•	15	.1	w,	`.	. 7	.2	80.	٠,	4.5	122	
	ENE	* -	ွ	*	4	۰.	•	-: ⁺	# m	0	0	٦.	7:	-	0	•	7.7	13		<b>:</b>	• •	200	*	۳.	٠.	52	2.6	
	Ä	* -	•	•	4	•	0	0 1	<b>+</b> →	0	*	•5	-•	<b>60</b>	0.	,,	. 4	23	•	٠.	٥٠	3.5	.2	6.	٥.	49	122	
	NN	0.0	•	0	0	•	*	* (	, ~	0	*	٠.	•	m	•	,,		14	*	<b>ب</b>	* u	3.5		• 5	.7	. 4	3.5	
	z	• -	*	*	4	•	*	0.0	'no	0	*	•		M	7	-	7	14		ů١		. 5	.2	1.3	1.2	87	165	
	SPD	0-3 4-10	11-21	22+	TOTAL	0-3	4-10	11-21	TOTAL	0-3	4-10	11-21	22+	TOTAL	0-3	11=21	22+	TOTAL	0-3	4-10	17-11	TOTAL	6-0	4-10	11-21	TOTAL	TDTAL PCT	
	VSBY	<11/5					1/2/1				142					637				2<10				10+				

DUTCH HARBOR 165-172W		TOTAL OBS	545	475	077	480	1940
AREA 0008 51-55N	0,	NH <5/8 ANY HGT	27.3	17.7	21.4	19.8	422
AR	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	72.7	82.3	78.6	80.2	1518
	EET, NH DUR	8000+	1.1	4.	•	€.	12
	4TS (F 3 BY H	6500 7999	9.	•5	0.	4	• •
10	ENCY OF CEILING HEIGHTS (FEET OCCURRENCE OF NH <5/8 BY HOUR	5000	4.	4	.2	•	<b>.</b>
TABLE 10	E OF	3500	4.0	2.1	1.6	1.9	4 8 5 5
	CY OF CORREN	2000	11.4	12.6	11.6	12.7	234
	REQUENCE OCC	1000	25.3	17.7 30.9 12.6	25.7	27.9	532
	ENT E	666	16.7	17.7	22.3	17.7 27.9	358 18.5
	PER(	300	3.3	4.6	3.2	5.5	4.1
		150	1.3	1.1	.7	1.7	23
696		000	8.6	12.2	13.4	11.3	218
1943-1		HOUR (GMT)	60300	60390	12615	18621	707 PCT
PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1900-1969							

	AND/OR	TUTAL	531	494	434	477	1906
	(NM) HDUR	NH <5/8	25.2	15.7	20.3	18.4	383 20.1
	VSBY	AND					
7.5	GES DF NH >4/8	1000+ AND5+	35.8	41.4	32.3	36.9	698 36.6
TABLE 12	OF RAN (FEET,	<600 <1000 <1 <5	14.9 39.0	18.5 42.9	18.9 47.5	19.7 44.7	825
	FREQ G HGT	<b>6</b> 000 <b>1</b>	14.9	18.5	18.9	19.7	341
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) CEILING HGT (FEET,NH >4/8),BY HOUR	<150 <50YD	4.6	12.1	13.6	11.5	220
	CUMULAT	HOUR (GMT)	60300	60390	12515	18621	T0T PCT
		TOTAL 08S	531	494	434	477	1906 100.0
	3Y HOUR	10+	55.0	45.0	38.2	4.1.4	893
τ.	( WN )	5<10	21.3	31.7	37.3	27.0	551 28.9
TABLE 11	CY VSBY	2<5	11.1	13.1	14.1	14.3	249 13.1
	FREQUEN	1<2	5.3	3.4	4.6	3.4	4.2
	PERCENT FREQUENCY VSBY (NM) BY HOUR	1/2<1	7.6	1.7	2.1	2.5	4. 6.
	•	<1/2	4.7	5.0	3.7	5.5	4.7
		HOUR.	60300	60390	12615	18621	T0T PCT

PERIOD: (PRIMARY) 1943-1969 3VER-ALL) 1900-1969

AREA 0008 DUTCH HARBOR 51-55N 165-172W PCT FREQ DF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F) TABLE 17

FOG	100 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	•
¥04	1100 4 6 6 4 6 6 7 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
101	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
61	0-1000000000000000000000000000000000000	
57	444444444444444444444444444444444444444	
50.30	11.60.0000.7.4841.1.010.000.000.000.000.000.000.000.000	
49	10 m 4 p m 4 0 m 4 0 m 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•
4 4 5 8 4 5 8	000144666666666666666666666666666666666	1
41	000000011100000010000000000000000000000	
37	000000000000000000000000000000000000000	,
AIR-SEA TMP DIF	14/16 11/15 9/10 7/8 6 6 6 7/8 11 11/18 11/18 11/18 11/18	

C. C			
•	•	•	

HARBOR 2W		TOTAL	•	12	7	7	•	-	M	0	7	7	0	0	0	0	0	a	0	0	0	77	5.3	
DUTCH HARBOR 165-172W		48+	•	•	0	•	•	•	0	0	•	•	•	•	•	0	0	0	•	0	0	0	•	
1EA 0008 51-55N	(FT)	34-47	0	0	•	0.	•1	•		•	•	•	•	•	0	•	0.	0	٥.	0.	o	2	•2	
AREA 51-	HEIGHTS (	22-33		0	2.	.2		•1	•2	0			•	•	•	•	0	0	0	0	0	10	1.2	
	SEA HE	11-21	•	.7	4.	9.	1.	•	•	•	•	•	•	•	•	•	0	•	•	0	•	20	5.4	
	VERSUS	4-10	4.	.7	.2	•	•	0	•	0	•	•	•	•	•	•	•	•	•	0.	0	12	1.5	
MBER E 18	DIRECTION	1-3	•	•	•	•	0.	•	•	•	•	0.	•	•	•	•	•	0.	0.	•	•	0	•	
SEPTEMBER TABLE 18	(KTS) AND	TOTAL	2	15	21	19	14	-	7	-	-	-	-	0	0	0	0	0	0	0	0	81	9.8	
	SPEED	48+	•	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	0	•	
	DF WIND	34-47	•	•	•	•	7.	•1	.1	•	•	0	•1	•	0.	0.	•	•	•	•	•	4	٠.	
	FREQ	22-33	•	•	•	.7	9.	•	۲.	• 1	.1	.1	•	0.	0.	•	•	0.	0.	0.	0	15	1.8	
69	PCT	11-21	•	9.	1.1	1.2	1.0	•	•	•	0.	•	•	•	o	°	•	•	C	•	•	32	3.9	
(PRIMARY) (OVER-ALL) 1963-1969		4-10	4.	1.0	1.2	4.	•	•	•	•	•	•	•	•	o	•	0.	•	o,	•	•	54	5.9	
AARY)		1-3		.2	.2	•	•	•	•	•	•	•	•	•	0.	•	°.	•	•	°.	0	ø	.7	
PERIODI (PRIN		HGT	₹	1-2	3-4	2-6	7	6-8	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	09-64	61-10	71-86	87+	TOTAL	PCT	

	TOTAL	~	7	18	19	10	60	-	-	7	0	7	0	0	0	0	0	0	0	0	69	8.4	
								•	•	•	0	0	0	•	•	0	0	0	0	0	C	•	
SE	34-47	•	•	0	•	0.	4.	0.	•	0.	0.	•	0.	•	•	٥.	•	•	0	0	m	4	
	22-33						9.	0.	•	•	0	.2	0	0	•	0	•	•	0	0	17	2.1	
	11-21	•	• 1	9.	1.2	8.	•	•1	•	• 2	0.	•	•	•	•	0.	•	•	•	0	26	3.2	
	4-10	•1	.7	1.5	.5	•	•	•	•	•	•	•	•	•	•	•	0.	•	•	•	23	2.8	
	1-3	•	•	•	0.	•	0.	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•	
į	TOTAL	-	6	14	21	5	5	0	-	0	0	0	0	0	0	0	0	0	0	0	56	6.8	
	48+	•	•	•	•	•	•	•	•	•	•	°	•	•	•	•	•	•	•	•	0	•	
	34-47	•	•	0.	•	• 5	٠,	•	•	•	•	•	•	•	•	•	0.	•	•	•	m	4.	
	22-33	0.	•		9.	•	•1	•	0.	0	•	•	°.	0	0	•	•	•	•	0	7	۰.	
	11-21	•	4.	.7	1.5	• 5	4.	0	•	•	•	•	•	•	•	•	•	•	•	•	56	3.5	
•	4-10		•	€.	5.		•	•	•1	•	•	•	o.	•	•	•	•	•	•	•	19	2.3	
	1-3	•	∹:	•	•	•	•	•	•	•	•	•	•	•	•	•	o.	•	•	•	1	-:	
	HG1	7	1-2	3-4	2-6	7	8+6	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	09-64	61-10	71-86	87+	TOTAL	PCT	

Y

PERIODI

																									GRAND	۳ -	144	227	151	104	61	18	13	0 0	2 ~	. 2	1	0	0	0	0	0 0		80 (	100.0
	HARBOR		TOTAL		16	36	54	13	ю.	<b>⊣</b> (	<b>)</b> (	۷,	4 -	4 (	> -	<b>4</b> C	3 0	<b>o</b> c	•	0 0	• 0	0	13.0		TOTAL				31			7	Λ ,	ه ه	<b>J</b> O	0	0	0	0	0	0	0 0		901	7.
	<b>В</b> БТСН Н		484		•	•	°	9	•	•		•	•	•	•	•	•	•	•			0	0.		48+	C	0	•	•	•	•	•	•	•	•	0	c.	•	0	•	0	၀ ၀	•	<b>o</b> 0	•
	A 0008 1-55N	FT)	S# 34-47	•	٥.	0.	•	•	•	•	•	•	•	•	•	•	•					3	•	32	34-47	0	0	2	•	.2	-	•	7.		0	•	•	•	•	•	0.		• •	~ 0	•
	ARE.	IGHTS (			•	-:	•	•	ţ.	∹ '	٠,	7.	• -	•	•	•		•				15	1.8		22-33		0	*	9.	9.	1.0	. 2	•	•	•	•	•	•	•	0.	•	•		ה מ מ	•
		SEA HEI	11-21	•	1.3	2.5	•	•	•	•	•	•	•	•	•	•	9		•	20	9	65	7.9		11-21	0		•	2.8	•	5.		•	•	•	0	•	•	•	9	o o	•	• 0	0 0	•
		VERSUS	4-10	•	•	1.6	•	0.0	9	0.0	•	•		•	•	•		•				97	3.2		4-10	4.	•	1.9	4.	•	•		•	•	•	0	•	•	o, o	•	0	0 0	2 6	4 7	•
MBER	E 18	DIRECTION	1-3	0	•	e-4 (	•	•	•	•	•	•			•	•	•			0	0	1	••		1+3	0.		•	•	•	0	0.	•	•	0	•	•	•		•	•	•	•	٠,	4
SEPTEMBER	TABLE	(KTS) AND	TOTAL		7	25			* (	<b>)</b> (	<b>v</b> c	<b>-</b>	• -	•	• c	• •	· c	• <	• 0	0	0	74	0.6		TOTAL	0	53	61	53	20	21	4 (	n <	1 4	7	-	0	0	0 (	<b>&gt;</b> (	0 (	<b>&gt;</b> C	"	28.5	•
		SPEED	48+	•	•	•	•	•	•	•	•	2		9 0	9 0					•	•	0	•		48+	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	9 0	?
		OF WIND	34-47	•	•			• -						: -						•		4	• 5		24-47	0	0	•	0.	•			•					0.		•		2			•
		T FREG (	S 22-33	•	0.	•	•						9				0		•			10			22-33	•	•	.7	Φ.	•	1.6	* (		7.		0.	•	•				9 0			•
	69	S.		٠	•5		•	•			•											37			11-21		•	•	6.4	•									o c			• •			•
	1963-1969		4-10		•	7.7	ů,	, c	•			0	0	0								7			4-10	•	9,3	•	.7	•	o c	•	•	•	•	°.	•	0							•
	ER-ALL)		1-3	•	•	o c	•	•	•	•		0		0	C				•				•		1-3	.2		•	•	•	o c	•	• •	•	0	•	•	•	•	•	•		•	1 4	;
	COVER		HGT	-	1-2	1	, ,			121	3.	7-1	•	3-2	6-3	3-4	1-4	9-6	1-7	1-8	418	TOTAL	C		HGT			3-4		_	8-6		3.	7-1	0-2	3-2	6-3	4-6		10		87+	-	20	•

AREA 0008 DUTCH HARBUR 51-55N 165-172W

	TARLE 18 (CONT)
PERIOD: (PRIMARY)	R-411 1963-1969
PERIOD: (PRIM	(OVER

	TOTAL OBS	38	146	227	191	104	61	18	13	16	10	7	7	7	0	0	0	0	0	0	834	100.0
(FT)	48+	•	0	•	•	•	•	0.	0.	•	•	•	•	0.	•	•	•	•	•	•	0	6.
HE I GHT	24-42	•	0.	•	0.	.7	1.0	4.	4.	•2									•			
VS SEA	22-33	0.	•	1.7	3.7	3.8	4.0	1.1	æ.	1.4	۲.	ŗ.	•		•	•	•	•	•	•	149	17.9
(KTS)	11-21	•	7.6	15.0	15.8	7.7	2.4	•	• 5	.2	••	0	•	0.	•	•	•	°	•	•	414	49.6
SPEED	4-10	3.1	9.2	10.1	3.4	.2	•	•1	•1	•	7	•	•	•	•	•	0.	•	•	•	220	26.4
MIND	6-0	1.4	1.	.5	0	0.	•	•	•	9	•	•	•	•	•	•	•	c·	•	•	22	5.6
	HGT	\$	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	91-10	71-86	87+	TOTAL	PCT

TABLE 19

	MEAN	M	9	œ	10	10	10	-	'n	
	TOTAL	327	295	153	69	54	10	41	919	100.0
	87+	•	•	•	•	0	•	•	0	•
	1-86	•	•	•	•	•	•	•	0	•
	1-70 7	•	•	•	•	•	•	٠	0	•
	49-60 61-70 71-86	•	0.	•	•	٥.	•	•	0	•
^	1-48 4	•	•	•	•	•	•	•	0	•
(SECONDS	3-40 4	0	•	0	•	0	•	•	0	•
PERIOD (S	6-32 3	0	0	0	7.	•	0.	•	-	•
	3-25 2	•	•	7	•	•	7	•	7	•5
VS WAVE	0-22 2	•	• 5	·	æ	•5	•	•	12	1.3
HEIGHT (FT) VS	3-16 17-19 20-22 23-25 26-32 33-40 41-48	•	4.	ē.	ů.	~	•	•	13	1.4
_	3-16 1	e.	4.	1.8	œ	4.	•5	•	37	4.0
F WAVE	12 1	.2	4.	1.0	4.	'n	•5	•	97	2.8
FREQUENCY OF	10-11	1.0	2.3	1.2	۳.		•	•	51	5.5
		œ	3.5	3.2	5.5	• 2	7	•2	96	10.4
PERCENT	7	2.7	7.8	4.7	1.4	-:	4.	ů.	161	17.5
<b>a</b> .	2-6	8.7	10.1	2.8	.2	-	•	ů.	205	22.3
	3-4	14.6	0.9	٥.	7	•5	•	•	200	21.8
	1-2	6.3	1.2	Ģ	∹	·	•	7	74	8
	₽	1.0	•	•	•	•	o.	3.5	41	4.5
	PERIOD (SEC)	<b>9</b>	6-7	8-8	10-11	12-13	<b>&gt;13</b>	INDET	TOTAL	PCT

	BOR		TOTAL DBS	:	117	200	4	55	42	26	45	86	72	140	125	327	208	184	120	0	10	1735	100.0
	DUTCH HARBOR 165-172W		S 1 G		0 0	1.8	1.7	1.6	1.4	1.5	1.6	3.0	2.4	5.3	5.8	15.3	10.1	0.6	6.2	•	4	1314	75.7
			OTHER WEATHER PHENOMENA DG SMOKE DUST NO O HAZE BLWG DUST SI CON RING SNOW WE				•	•	•	•	•	•1	•1	0.	•	.1	•	۲.	•	c.	0	4	.2
	AREA 0006 51-55N	DIRECTION	SHOKE DUS SHOKE DUS HAZE BLWG	•	• •				•	-5		7.	•	•1	- 1	-	•	•	0.	•	•1	8	•
	⋖	DIRE	HE SE																				7
		WIND	FOCH		•	0	0		•	• 1	•			4	-	6.	• 5	2,5		0	0	36	2.1
		8	THDR	c		0	0	•	0	•	0.	•	•	•	•	0.	•	•	0.	0.	•	0	•
۲	-	OCCURRENCE	TOTAL PCPN OBS	13	1 "	17	13	54	18	25	15	97	28	40	25	53	30	23	11	0	2	364	
20.00	TABLE	WEATHER	PCT FREQ PCPN AT OB TIME			0	.7	1.4	1.0	1.4	6.	1.5	1.6	2.3	1.3	3.1	1.7	1.3	•	o,	• 1		21.0
		NCY DF	HAIL P	c	9	-		0.	•	0	0	•	•	•	-;	, 1	۴.		•	•	•	14	۳.
		FREQUENCY	TYPE THER FRZN PCPN	•	0	•	•	•	•	•	•	•	•	•	G.	•	•1	•	₹.	•	•	7	•1
		ENTAGE	ATION SNOW	-		7	•	•	•	•	•	•	•	•	•	-	• 3	•	• 1	•	•	11	•
		PERCEN	PRECIPIT FRZG PCPN	C	•	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
			DRZL	ĸ	. 7.	4	•5	•2	.2	4		4.	4.	1.2			. 2	7.	•			105	
	1942-1969 1900-1969		RAIN	Q.		7	7	•	•	•	•	-	-	4		9.	4		7			48	
			RAIN	?	-	· ·	• 5	œ.	6.	1.0	4.	1.0	1.2	0.	· m	1.6	•	-		•		191	11.0
	(PRIMARY) (OVER-ALL)		WND DIR	z	NNE	N W	<u> </u>	ш	ESE	SE	SSE	S	NSS	N.	INI I	3	Z	3 7	3 2 2	VAR	CALM	TOT OBS	TOT PCT
	PERIODI																						

OTHER WEATHER PHENDMENA FDG SMOKE DUST NO WD HAZE BLWG DUST SIG PCPN BLWG SNDW WEA 3.1 1.4 .0 74.1 2.8 .9 .9 73.4 .7 .7 .0 80.7 1.7 1.0 .0 75.0 37 18 4 1323 2.1 1.0 .2 75.7 PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR THDR 000000 TOTAL PCPN OBS 105 93 76 91 91 PCT FREQ PCPN AT OB TIME 21.4 21.9 17.9 22.3 20.9 4.1.0.1.0.1.8 PRECIPITATION TYPE DRZL FRZC SNOW OTHER PCPN FRZN 200004 22. 21. 11. 3. 000000 5.7 5.2 105 6.0 RAIN 3.7 1.9 3.7 4.8 4.8

RAIN

HUUR

10.8 13.9 9.7 9.6 192 11.0

00603 06609 12615 18621 707 PCT

TABLE 2

425 424 424 408 1747 100•0

TOTAL OBS

OCTOBER

R 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN OF SPEED AND BY HOUR R 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN OF 0-3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.6 0.3 0.																				
R 0-3 4-10 11-21 22-3 34-7 46+ TDTAL PCT HEAN 00 03 06 03 06 06 04 0-10 11-21 22-3 34-7 46+ TDTAL PCT HEAN 00 03 06 03 06 04 04 04 04 04 04 04 04 04 04 04 04 04					PER(	ENTAG		NCY	T X	DIRECTI	8 NO	PEED	•							
TABLE 3A TAB	-	1	3 O T	D SPE 1-21	D (KNOT 22-33	4-4	œ	OTA OBS	2 2 2	SP		_	00		•	HDUR 09	GMT) 12	15	18	
S	W W I							900		800 8			~ ~0	0 10 10	N 0 N	000	7 M 7	100	0.4 0.0	188
SE - 2	w .				• • •					0 4			n o	٠.٥	<b>о</b> м	77				m
SE	SE			v. 0.	• •					60			7 0 7	o e	W 4	٠.5		• •		.44
SN .3 1.4 1.6 1.1 .3 .0 114 4.7 16.8 5.2 1.3 4.0 5.8 4.3 1.4 1.5 2.0 1.8 4.3 1.4 1.5 1.4 1.5 2.0 1.8 4.3 1.4 1.5 2.0 1.8 4.3 1.5 1.3 4.0 1.5 2.0 1.5 2.0 1.5 1.3 4.0 1.5 2.0 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	s s				٠.٥			50		6.			m m	۲.	٥ ٥	ก ก		• •	• •	(4
NW .3 2.4 7.8 4.5 1.1 .2 409 17.0 19.8 19.8 19.8 16.0 16.0 15 14 18.4 18.4 18.4 18.4 18.4 18.4 18.4 1	#SS#		•	•	•			-	•	91		5	~	٠.	0	<u>.</u>	•	•	•	
MY 3 2.4 7.8 4.5 1.1 .2 409 17.0 19.8 19.8 19.0 16.0 15.0 14.0 14.0 14.0 14.0 15.0 15.0 15.0 15.0 14.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15	E SE			• •				NO				-	40	٠.	<b>8</b> ~	·:	0 %	· ·		20
WHY 3 1.5 4.7 4.5 5.0 4.2 12.6 20.7 11.1 12.0 12.0 11.8 14.8 11.8 14.8 14.8 14.8 14.8 11.8 11	<b>3</b>		•	•	•	•		0	٠.	6		6		0.	0		6.	5		
MY # 1.1 2.6 1.7 .6 .1 148 6.2 20.7 6.5 6.7 5.6 9  AR .8 .0 .0 .0 .0 .0 .0 .0  BES 97 468 919 693 195 32 2404  BCT 4.0 19.5 38.2 28.8 8.1 1.3 100.0 100.0 100.0 100.0 100  BCT 4.0 19.5 38.2 28.8 8.1 1.3 100.0 100.0 100.0 100.0 100  BOTH 0-6 7-16 17-27 28-40 41+ TOTAL PCT 3:EAN 00 03 06 09 12  AR 1.2 3.7 3.0 2.2 .1 245 10.2 19.1 8.8 5.3 10.4 7.0 10.4 6.0 1.3 1.7 1.2 1.4 6.1 125 5.2 19.4 4.4 9.3 5.4 8.1 6.0 6.0 1.3 1.7 1.2 1.4 6.1 12.5 5.2 19.8 4.6 16.0 4.6 16.0 4.0 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	2 3 2 2							00	7	90		$\circ$	- - 3	<i>.</i>	91	0.4	40	• •		B 4
PCT 4.0 19.5 38.2 28.8 8.1 1.3 100.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32.2		•	•	•			4	•	0		•	<b>.</b>		. •	. m	0	8	Š	
DIR 0-6 7-16 17-27 28-40 41+ TDTAL PCT 7EAN 00 03 06 09 12 4.0 10.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.	Y E Y	္ စ			•									0.0	o «	•			•	-
TABLE 3A  WIND SPEED (KNUTS)  DIR 0-6 7-16 17-27 28-40 41+ TDTAL PCT REAN  NE 1.2 3.7 3.0 2.2 .1 245 10.2 19.1 8.8 5.3 10.4 7.0 10.4 NE .6 1.9 1.2 1.2 2.2 23.8 4.6 1.6 0.6 6.0 4.7 4.0 10.4 NE .6 1.9 1.0 .1 13.6 5.2 19.4 4.6 16.0 4.6 4.7 4.0 10.4 NE .6 1.9 1.0 .1 13.6 5.2 19.4 4.6 16.0 4.6 4.7 4.0 10.4 NE .6 1.9 1.0 .1 13.6 5.2 19.4 4.6 16.0 4.6 4.7 4.0 10.4 NE .6 1.9 1.0 .1 13.6 5.2 19.4 4.6 16.0 4.6 4.7 4.0 10.4 NE .6 1.9 1.0 .1 13.6 13.3 17.5 12.8 15.2 19.8 18.8 18.5 13.3 17.5 12.8 15.2 19.9 18.9 18.9 18.0 19.6 17.0 18.8 18.5 13.3 17.5 12.8 15.2 13.9 17.5 12.8 15.2 13.9 17.5 12.8 15.2 13.9 17.5 12.8 15.2 13.9 17.5 12.8 15.2 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13.9 17.5 12.8 13	-	9	40	91	69	0	3	40	,	6		9		o vo	00	96		66	526	•
TABLE 3A  WIND SPEED (KNOTS)  US 3-7 28-40 41+ TDTAL PCT REA 00 03 06 09 1  UBS FREQ SPD  US 3-7 3-0 2-2 -1 245 10-2 19-1 8-8 5-3 10-4 7-0 10-4 1-7 1-2 1-2 1-2 12-5 19-4 4-6 16-0 4-6 4-7 4-6 16-0 1-9 1-0 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2		•	•			•	•		00			3	01 0	• 0 10	010	• 0 10	•	·	00	100
MIND SPEED (KNOTS)  WIND SPEED (KNOTS)  WIND SPEED (KNOTS)  WE 1.2 3.7 3.0 2.2 .1 245 10.2 19.1 8.8 5.3 10.4 7.0 10.  WE .6 1.9 1.2 1.2 .2 125 5.2 19.4 4.4 9.3 5.4 8.1 6.  SE .7 2.0 1.9 1.0 .1 136 5.7 18.8 6.5 4.0 7.3 7.0 4.  SE .7 2.0 1.9 1.0 .1 136 5.7 18.8 6.5 4.0 7.3 7.0 4.  SE .7 2.0 1.9 1.0 .1 136 5.7 18.8 6.5 4.0 7.3 7.0 4.  SE .7 2.0 1.9 1.0 .1 136 5.7 18.8 18.5 8.0 8.3 4.7 10.  WHAT IS 3.6 2.8 4.9 2.3 27.6 29.1 28.  WHAT IS 3.6 2.3 .4 446 18.6 19.6 17.6 18.7 18.1 25.0 19.6									8	w										
N 1.2 3.7 3.0 2.2 .1 245 10.2 19.1 8.8 5.3 10.4 7.0 10.4    E .3 1.2 1.2 .2 125 5.2 19.4 4.4 9.3 5.4 8.1 6.5    S 1.2 1.2 1.4 .6 124 5.2 23.8 4.6 16.0 4.6 4.7 4.5    S 2.0 1.9 1.0 .1 136 5.7 18.8 6.5 4.0 7.3 7.0 4.8    S 1.2 3.6 2.8 1.5 .2 223 9.3 17.3 8.5 8.0 8.3 4.7 10.8    S 2.1 5.7 6.0 2.3 .8 408 17.0 18.8 18.5 13.3 17.5 12.8 15.9    NW 1.9 8.4 12.2 4.9 .8 678 28.2 20.2 30.6 25.3 27.6 29.1 28.8    NW 1.3 6.0 2.3 .4 446 18.6 19.6 19.6 17.6 18.7 18.1 25.0 19.8    NW 1.3 6.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	10		31	PEED 7-27	KNDTS 28-40	-	OTA Obs	2 2	SA		8			HOUR 09	GMT 1	51	18	8	-	
SE .3 1.7 1.2 1.4 .6 124 5.2 23.8 4.6 16.0 4.6 4.7 4.  SE .7 2.0 1.9 1.0 .1 136 5.7 18.8 6.5 4.0 7.3 7.0 4.  S 1.2 3.6 2.8 1.5 .2 22.3 9.3 17.3 8.5 8.0 8.3 4.7 10.  SW 2.1 5.7 6.0 2.3 .8 408 17.0 18.8 18.5 13.3 17.5 12.8 15.  M 1.9 8.4 12.2 4.9 .8 678 28.2 20.2 30.6 25.3 27.6 29.1 28.  AN		• •		• •	• •		40	000	00		• •	50	on	• •	0.0	13.1	10.	5 20. 8 2.	04	
S 1.2 3.6 2.8 1.5 .2 223 9.3 17.3 8.5 8.0 8.3 4.7 10.  SW 2.1 5.7 6.0 2.3 .8 408 17.0 18.8 18.5 13.3 17.5 12.8 15.  W 1.9 8.4 12.2 4.9 .8 678 28.2 20.2 30.6 25.3 27.6 29.1 28.  NW 1.3 6.2 7.2 3.5 .4 446 18.6 19.6 17.6 18.7 18.1 25.0 19.							2 5		w w			9 4	• •	•	•	• •	w 4			
28 408 17.0 18.8 18.5 13.3 17.5 12.8 15.  M 1.9 8.4 12.2 4.9 .8 678 28.2 20.2 30.6 25.3 27.6 29.1 28.  NW 1.3 6.2 7.2 3.5 .4 446 18.6 19.6 17.6 18.7 18.1 25.0 19.  AR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0				•	•		N	6	1		8	8	. 60	4	0	2	11	11		
AR .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0				60			9	. 8	, c			9	7.	20	50	• •	17.	16		
	Z	•	•	-			4	80	6		7	8	8	5	6		17	12		
. 2.1 8. 0. 8. 0. 8. MJ	X Z		•									00	ဝ ဇ				٠.	-		
08S 245 794 854 430 81 2404 19.4 612 75 519 86 402 PCT 10.2 33.0 35.5 17.9 3.4 100.0	82	20	33	8 %	43	∞ •	40	00	6		61	75	51		900		52	י ס		

TOTAL OBS

αĽ										(8)			NH <5/8	1.9	4.	4.	ů,	• •	•	• 5	1.2	. 4	2.1	7.5	5.1	4.8	3.0	٥,	4.3	31.1
HARBOR										(FT.NH >4/8		2	8000+ NH	•	•	•	0 0	• •	0	7	0		• •	0	•	•	ó,	• °	÷ ~	7.
DUTCH 1											70010	UIRECIION	6500 (	•	•	•		? -	0			•	• -	0	0		o c	o c	, M	. ~
A 0008										CEILING HEIGHTS	2		5000	•	• 1	0	•		•	•	•	9 0	9		0	• 1	o c	• c	• •	4
ARE		A L S	87	05	01	611	40			CEILIN	20	<b>43/6 6</b> Y	3500		•	•	,	• -	•	0	-: '	, "	7-17	Ó		'n	(	,	340	2.5
	£	TOTAL Q OBS		9			77 0		TABLE 6	CY OF	2	Ċ Ž	2000	•	4.	m ·	•	,	4	<b>.</b>	•	* «		1.9		1.2		• -	148	10.7
	JR (GMT)	PCT	100	100	100,	100	100.		TA	FAEQUENCY			1000	•	1.4	1.2	* a		.7	5	1.1	, 4	2.2	4.0	5.9	3.0	1.7	2 -	359	25.9
	BY HOUR	MEAN	19	13	20	18,5	6					L C U A R	009	1.2	4.	4.	0		1.1	91	٠.	4.	1.0	2.9	2.7	1.7		•	255	18.4
4	SPEED	CALM	•	•	•	<b>.</b>	8.			PERCENTAGE	024		300	,2	-:	-:	•	? -	•1	4	•	. 4	4	.7	• 5	٠,	Ņ	-	8 9	6.4
TABLE	NINO	(KNDTS)	1	_	~	-	1.3			•			150	0.	۲.	۰.		•	•	0	٠, ·	• •		: -:	.1	0	٠ د	) c	•	4
	NCY OF	SPEED 34-47	8.0	7.3	9.5	8.2	192 8.1						000		•5	∵ .	• 14		4.	4	ů,		, m	ω.	•1	• 5	-; ·	? -	73	5.3
	FREQUENCY	WIND 22-33	30.0	28.6	29.9	20.8	28.8																							
	ENTAGE	11-21	38.1	ው	6.04	n (	38.2			SHTHS)		HEAN	LOUD		•	•	•	•	•	•	•			•		5.7	•	•	6.2	
	PERCE	4-10	6	•		•	19.5			NT (EIGH	7		S P C	26	75	4 4	7 6	36	77	93	0 1	000	101	262	172	591	ر د	> <b>a</b>	384	•
122		1-3		•	•	• •	3.5		10	AMOUNT	RECTION		TOT 0	<b>S</b>	<b>.</b>	<b>1</b> t	- (1)	0	4	~ 0	<b>5</b> 0	) <b>6</b> 0	80	3	m	<b>.</b>	v c	, v	7 1	4 10
2-1969 0-1969		HOUR	6030	6039	2615	1779	PcT		TABLE	CLOUD	AT C	3	7 8 6 0850	7	٦.		1 ~	7	7	⊶ ,	<i>'</i> 1 (	1 W	~	•	m	m ·			2 58	45
1942		_	ŏ	ŏ	<b>:</b>	Ξ'			•	TOTAL	A Y 4		<u>'</u>	2.	-:	•	• •	•	•	•	•	. 2	, M	7.	5	'n	'n	• •	64	35.
(PRIMARY)										EQ 0F			3-4	6.		•	• •	•	•1	- ·				•	•	2.4	•		195	•
-										CT FR			0-5	Φ.	C	-	• •	0	-		, .		*	•	1.0	•			110	•
PER 100										α.			WND DIR	Z	2 Z	# U	נו נו	ESE	SE	SSE	n 0	1 X	303	3	323	ž	α α 2 < 2 >	CALM	TOT 08S	OT PC

OCTOBER

OCTOBER

PERIOD: (PRIMARY) 1942-1969 (OVER-ALL) 1900-1969

TABLE 7

AREA 0008 DUTCH HARBDR 51-55N 165-172W

CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

	• 0%	0	4	.7	3.2	13.9	40.0	58.5	63.3	63.7	0.69	958
	• 0R	>50YD	4.		3.2	13.9	40.0	58.5	63.3	63.7	0.69	958
	• 0R	>1/4	4.	. 7	3.2	13.9	40.0	58.5	63.3	63.7	68.9	957
_	* OR	>1/5	4.	.7	3.2	13.9	39.9	58.2	63.1	63.5	68.2	246
VSBY (NM	• OR	7	4.	.7	3.2	13.8	39.7	57.9	62.6	63.0	67.0	166
	• OR	>2	4.	.7	3.2	13.7	38.8	56.1	9.09	6.09	64.1	890
	. OR	>2	4.	.7	3.2	12.6	35.1	0.64	52.1	52.3	54,3	154
	<b>≈</b> 0R	<b>&gt;10</b>	e.	9.	5.4	4.8	20.8	26.6	27.6	27.6	27.8	386
	CEILING	(FEET)	- OR >6500	■ OR >5000	■ DR >3500	•	•	■ OR >600	•	•	•	TOTAL

1

TOTAL NUMBER OF OBS: 1389 PCT

PCT FREQ NH <5/8: 31.0

TABLE 7A

PERCENTAGE FREQ DF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 OBSCD OBS 01 3.7 7.6 9.9 8.2 8.1 13.3 13.7 30.1 4.4 1440

			PCT	20.7	1.0	1.2	5.5 6.7 12.2	8.1 30.4 38.5	39.1 42.3	100.0
			TOTAL	9 16 25	113 30	4 20 9 9 9	96 116 212	141 526 667	56 677 733	1733
	œ		CALM	000	000	1.0%	•••	01.2	0,00	10
	DUTCH HARBOR 165-172#	z	VAR	000	000	000	000	000	000	00
	DUTCH НА 165-172W	ITATIO	Z	000	•••		4.7	2.0	3.6	119
	AREA 0008 51-55N	PRECIPITATION	Z	•••	1.0	444	10	2.5	5.4	183
	AREA 51	<b>10</b>	N		• : -	ii4		3.2	.3 6.1 112	208 12.0
		CURREN(	3	44.6	22,7	61.	1.2 34	1.2 6.9 139	3.6 7.3 137	327 18.9
		DR NON OCCURRENCE VISIBILITY	MSM	2.10	44.	1.6.	400	2.1	2.8 50	124
		SE OR 1	MS	044	1:12	5.4	21.	1.1 2.4 61	2.04	140
06 - DBEN	8 1	CTION VS OCCURRENCE TH VARYING VALUES OF	NSS		1.001	w	2.64	5.9	1.2	72
3	TABLE	VS DC	S	46.0	1.1.2	44.0	444	1.5	1.2	3.0
		ECTION ITH VA	SSE	.0.1	1.0.1	11.6	.5	.1.	1.9	4.5
		ND DIRE	SE	40 m	2.4.2	20.2	19.5	200	125	3.2
		OF WIND	ESE	000	000	21.5	.2	5.2	0,00	45
		r FREQ	ш	0.1.1	440	400	7.5.2	 	2.7.21	3.2
		PERCENT	EXE	000	000	70.7	61.	2.03	12	2.5
	1942-1969 1900-1969	_	Ä	000	446	000	6.1.	21.	19	50
			NNE	000	000	2.1.2	21.0	31 31	1.3	3.5
	(PRIMARY) (OVER-ALL)		z	0.1.1	0.1.1	404	H	2.0	3.3	114
				PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
	PERIODI		VSBY		1/2<1 N	1 × 2 × 1	2 2 N T T T T T T T T T T T T T T T T T	5<10 N	10+	_

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AREA 0008 DUTCH HARBOR 51-55N 165-172W TABLE 9 (DVER-ALL) 1900-1969

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	PCT	0 4 4 4 1	0 4 10 10 4	44.004	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	N W & N &	4004N	0.0
		79080	0~~~~	L0041	1991	29 1 50 6 03 12 92 16 74 36	40404	72 100
	TOTAL	1 2		U 4 4 80	14868	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24 47 47 107	237
	CALM	• •	• •	.1	. 2	ý 4	.5	19
	VAR	00000	00000	00000	00000	00000	•••••	00
	Z	00000	000*-	00114	*1.2.4.	1.00	1.00	147
	Z	00000	0.1000	10#22	0.6.2.4.1	1.3	1.1 3.1 2.4 168	294
9	Z Z	000#7	000#~	*1100	21.6.6	1.0.4	2.5 138	267 11.3
ND SPEED ITY	3	0####	11.200	.0128	10000	2.0 2.0 16.9	1.000	408 17.2
VS WIND	MSM	00##~	004**	821.00	22 6 22	1.8	1.08	175
DIRECTION	AS	·*-:*4	00**0	0#	1147.6	11	4.1 2.1 8.6 8.6	222
VALUES	NSS	0*0-0	00#07	0,41,60	# m 00 01 m	3.2.2	3.5.0	109
ARYING VA	S	01400	00##11	0.1#1.0	* 1.26.1	14.07	0.000.00	108
FRE(	SSE	000#7	000##	0001m	0 * 2 2	121	25.52	50
PERCENT	SE	0-4#4	0 + 0 0 0 0	004#	* * 5 * 5			3.5
_	ESE	00000	00000	0## <i>-</i> -n	000001	0.22.4.6	048	53
	ш	000#~	•***m	00000	621.28	*2.32	0,0,0,0	67 2.8
	EN EN	00000	0,*00-	0,40,40	7,5 #1.0	0,,,,,	0.4.4.7	51
	N	00000	0#100	•••••	0,4,0,6	* 25.52	 	3.1
	NN	00*0-	00000	0##00	* 2 * 0 %	0 4 7 8 0	* ~ ~ ~ ~ ~ ~	3.4
	Z.	0#00-	0#00-	0*00-	* 2 - 4 5		1.6 1.6 1.0 88	163
	SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
	VSBY	<11/2	1/2<1	142	2<5	5<10	10+	

DUTCH HARBOR 165-172W		TOTAL OBS	392	333	333	342	1400
ARE4 0008 51-55N	2	NH <5/8 ANY HGT	30.1	30.6	36.0	58.9	439
AR	>4/8),A	TOTAL	6.69	4.69	0.49	71.1	961
	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	8000+	.3	•	.3	•	.1.
	HTS (FI	6500	.3	•	•	•	6 4
10	G HE1G NH <5/	2000	.5	£.	0	9.	n 4.
TABLE 10	CEILIN CE OF	3500	3.1	2.1	1.8	5.6	34
	CV OF	2000	11.0	11.4	8.7	11.4	149
	REQUEN	1000	29.1	24.6	23.4	25.7	362 25.9
	CENT F	6666	16,3	.2 18.0 24.6	6.0 18.9 23.4	5.0 20.8 25.7	258
	PER	300	4.3	4.2	0.9	5.0	68
		150		.3	•	9.	04
696		000	4.3	7.8	4.8	4.4	74 5.3
1942-1 1900-1		HOUR (SMT)	£0300	60390	12615	18621	T0T PCT
PERIOD: (PRIMARY) 1942-1969 (OVER-ALL) 1900-1969							
PERIOD:							

	AND/OR	TOTAL	391	328	330	340	1389
	(NA) HOUR	5+	27.9	28.0	33.3	26.8	402
	VSBY	AND	10	.,	***	14	
12	IGES DF NH >4/8	1000+ NH <5/8 AND5+ AND 5+	39.9	34.5	28.5	36.5	487
TABLE 12	OF RAN (FEET,	<600 <1000 <1 <5	10.5 32.2	12.8 37.5	12.4 38.2	36.8	36.0
	FREQ G HGT	<b>6</b> 000 <b>1</b>	10.5		12.4	10.3	159
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	<150 <50YD	4.3	7.6	4.8	4.4	73 5.3
	CUMULAT	HOUR (GMT)	60300	60390	12615	18621	T01 PCT
		TDTAL OBS	391	328	330	340	1389 100.0
	Y HOUR	10+	55.0	41.8	45.5	52.1	679
1	(NM)	5<10	28.4	39.6	38.5	32.4	477
TABLE 11	CY VSBY	5<5	10.0	12.2	11.2	12.9	160
	FREQUEN	142	3,3	4.3	5.4	1.8	3.0
	PERCENT FREQUENCY VSBY (NM) BY HOUR	1/2<1	1.5 1.8	6.	1.8	6.	19
	ū	<1/5	1.5	1,2	6.	•	13
		HOUR (GMT)	60300	06509	12615	18621	101 PC1

			VAR CALM	0.			••				.0				479				
		BY TEMP	> **	-:	6	٠,	8.8	•	7.	90	<b>60</b>		Y HOUR	HEAN				40 0	
8 B D R			*	٦.							.2 18.8		DITY BY	90-100	26.1	31.4	29.3	30.4	
DUTCH HARBOR 165-172W		DIRECT	SW	7			9 10.2				3 27.2		RELATIVE HUMIDITY	68-08	35.7	33.6	38.1	36.3	-
	TABLE 14	WIND	ر د			9.6					17.3	TABLE 16	ATIVE	8 61-01				22.0	
AREA 0008 51-55N	TA	Y 0F	**	•	6.	5.9	2.	• 5	•	149	9.1	TAE	OF RFL						
ARE 1		FREQUENCY OF WIND DIRECTION	SE	•	6.	5.9	2.0	-	•	4	5.9		ENCY 0	69-09	11,3	7.0	9	0.0	•
			ш	•	ò	5.4	1.9	4.	•	87	5.3		FREQUENCY	30-59	1.9	1.9	1.6	2.5	3
		PERCENT	Ä	•1	4.	5.4	2.1	æ	•	46	5.7		PERCENT	0-29	•	•	•	• 0	>
			z	•	•5	3.1	4.3	1.2	6.	160	9.8		•	HOUR	60300	60390	12515	1021 TOT	:
		100	FREQ	4.	7.6	4/.0	36.8	1.1	*	100.0									
		TOTAL	UBS	7	124	611	603	111	7	1637			HOUR	DTAL	684	909	205	2402	! }
		BY TEMP	90-100	•	1.8	7.41	10.9	2.1	•5	477	29.1		F) BY	MEAN T				64.0	
		ITY 8	80-89	•2	3.1	18.0	11.7	5.3	•	587	35.9		TEMP (DEG	NIM				32 (	
	_	HUMIC	70-79	• 5	1.3	11.9	10.2	1.6	•	414	25.3		OF TEMP	1%	36	9	34	9 9	,
	TABLE 13	RELATIVE HUMIDITY	50-59 60-69 70-79		1.3	4.7	3.4	6	•	133	8.1	15		2%	40	9 0	9 6	30	
1969	7		50-59	0		•	ů.	•	•	23	1.4	TABLE 1	PERCENTILES	20%	40	<b>C</b> 4	¢ 4	45	
1942-1969 1900-1969		FREQUENCY OF		0	0.	:	; '	•	•	0	•5	-	AND	<b>3</b> 56	52	70	, c	20	
(PRIMARY) (OVER-ALL)			30-39 40-49	0	o, c	•	•	•	•	0	•		MEANS, EXTREMES	<b>3</b> 66	54	÷ .	2 2	34	
		PERCENT	0-29	0	•	•	•	•	•	0	o.		ANS, EX	HAX	58	0 0	2 4	28	
PER100:			TEMP F	55/59	\$0/00 00/14	41/64	10/11	10/00	30/34	TOTAL			A.	HOUR (GMT)	60300	12615	18521	T0T	

PERIOD: (PRIMARY) 1942-1969 (OVER-ALL) 1900-1969

TABLE 17

AREA 0008 DUTCH HARBOR 51-55N 165-172W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

Foc	
FOG	
101	1002 1002 1002 1002 1002 1002 1003 1003
563	
49 52	112111
4 P	"418041040 1
41	1004m4010 mu
37	110 110 110 110 110 110 110 110 110 110
33	1 2
29	00000000000000000
AIR-SEA TMP DIF	7/8 5 5 2 1 1 1 -2 -3 -4 -5 -7/-3 -11/-13 -14/-16

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TABLE 18

TOTAL

DUTCH HARBOR 165-172W

AREA 0008 51-55N

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

TOTAL

TOTAL

SE 34-47

22-33

11-21

TOTAL

34-47

22-33

11-21

N47-1-10-10000000044.

4 0000000004000000000000044

M-10000000000000000

HGT A112 112 112 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 1011 101

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DUTCH HARBOR 165-172W ••••••• 7000000m001000000m4 AREA 0008 51-55N NE 34-47 SH 34. (FT) 0044040400044100000074 22-33 HE I GHTS SEA VERSUS AND DIRECTION TABLE 18 TOTAL (KTS) SPEED 0000000000000000 MIND 34-47 P FREQ 2 W 0 0 0 w 4 4 0 0 w 0 0 0 0 0 0 0 0 0 1 1 ¥ 22-33 PCT w (PRIMARY) (OVER-ALL) 1963-1969 

	DUTCH HARBOR 165-172W																							
	AREA 0006 51-55N																							
			TOTAL OBS	17	75	131	148	126	9	43	21	37	10	9	7	m	0	o	0	0	0	0	619	100.0
		(FT)	+8+	0	•	•	•	•	•	•	•	9.	•	0.	•	•	•	•	•	•	•	o.	4	•
OCTOBER	( Lz	HEIGHT	24-47	•	•	•	.7	6.	4.	.7	•	1.3	•	.7		6.	•	°.	•	•	0.	·	45	9.9
DC T(	18 (CONT)	VS SEA	22-33	٥.	•	4.0	7.2	7.8	5.3	3.5	2.1	2.8	.1	•1	۲.	•1	•	°.	•	•	•	•	230	33.9
	TABLE 18	(KTS)	11-21	•	7.7	11.3	12.2	4.6	2.7	1.9	4.	.7	•	•	•	•	•	•	•	•	•	°.	315	40.4
		SPEED	4-10	1.9	3.2	4.0	1.5	4.	3.	• 1	•	•	•	•	•	•	•	•	•	•	•	•	4	11.6
		MIND	0-3	9.	1.	•	٦.	•	•	•	0.	•	0.	•	•	•	•	•	•	٠.	•	•	9	٥.
			нет	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-92	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT
	1963-1969																							
	(PRIMARY) (DVER-ALL) 1963-1969																							
	PERIODI																							

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 8-9 10-11 1.2 1.5 5.2 3.0 3.9 3.2 2.8 2.0 5.5 1.2 3.0 0.0 104 81 L 01.0010 44 88.5 2.88 2.98 2.00 1.32 1.32 4 W W W W O O C W 4

7 400000 0000

SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC |

TABLE 19

Y

HEAN HGAN 113 123 124 7

TOTAL

206 242 150 85 31 31 744 100.0

000000000

1

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<b>«</b>	OTAL OBS	01 1100 1100 1100 1100 1100 1100 1100		OTAL OF S	3947 3450 3482 3482 3482 3683
DUTCH HARBOR 165-172m	ENA NO T SIG WEA	41840874898774 017 41840874898974 017		ENA NO T SIG	75.6 77.4 78.4 70.6 1074 75.5
m	THER PHENDMEN DUST N BLWG DUST S	000000000000000000000000000000000000000		ER PHENOMEN DUST N WG DUST S	000000
AREA DODE 51-55N RECTION	WEATHER BUCKE DUSHER BLWG	0000440400000000000000		WEATHER DUMENTE DUME BLWG	<b>~~~~</b>
A WIND DIRE	DTHER FDG SK WD H	0010414110088	BY HOUR	DTHER SP FDG SP WD H	2 2 2 2 2 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3
E0 ¥	THDR	000000000000000000000000000000000000000	OCCURRENCE	THOR	0,00,01
1 DCCURRENC	OTAL PCPN OBS	9 11 10 11 10 10 10 10 10 10 10 10 10 10	œ	OTAL PCPN OBS	88 4 4 4 4 8 8 4 4 4 4 4 4 4 4 4 4 4 4
TABLE 1 WEATHER D	CT FREG T PCPN AT OB TIME	2 1 1121112 11 2 11 2 11 2 11 2 11 2 1	TABLE 2 Y OF WEATHE	CT FREG T PCPN AT OB TIME	22.2 19.1 18.7 27.0 21.7
SNCY OF	HAIL PC	101000010001100010	FREQUENCY	HAIL PC	0.00
FREQUENCY	TYPE OTHER FRZN PCPN	00000000000000	ERCENTAGE F	TYPE OTHER FRZN PCPN	w.00011
ENTAGE	TATION	4 000000000000000000000000000000000000	PERCE	TATIUN	4404 W
PERC	PRECIPI FRZG PCPN	00000000000000000		PRECIPI FRZG PCPN	000000
	DRZL	04.0.4.4.8.L.0.W.W.I.4.I.4.W.O.O.L.0		DRZL	8.17.0.0 8.17.0.0.8
-1969	RAIN	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		SHER	2.5 1.1 1.8 2.7 2.9 2.0
1942	RAIN	0 1 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0		RAIN	9.1 8.6 7.6 11.7 131 9.2
(PRIMARY) (OVER-ALL)	WND DIR	N N N N N N N N N N N N N N N N N N N		HOUR (GMT)	60603 06609 12615 18621 TOT PCT
PERIOD:					

•

NOVEMBER

			21	10.9	0.0	4.9	2.2	7.7	6.5	6.7	10 C	13.0	9	8.7	4.3	•	2.5	100.0	3											
	BOR		18	9.1	4 4	5.9	5.4	2.5	7.9	7.9		15.2	8	9.6	5.7	•	1.0	0		21	.2	•5	٠, ۱	٠ د	v •	9	•	o, r	949	o.
	DUTCH HARBOR 165-1724		15	4.5	1.4	4.2	4.2	4 6	6.9	2	10.0	, 10	11.1	5	6.9	•	3.C	8	3	60									20 02	
	00TC 165-		(GMT) 12	6.4	3.2		1.9	9.0	9.6	6.1	200	) r	~	9.8	5.7	•	316	0		-	7	•	<b>"</b>	7	13	23	15	•	1.4	100
	0006 -55N		HDUR (	0.1	0-	::	0.0	7.0	0	0.	7.	. 2	۳.	.3	(***	9	00	00 10		15	8.3	1.4	8	0 0	25.0	26.4	12.5	• •	72	100.0
	AREA 51-		•	29	<b>6</b> C			2 6		•	10	• -	-	-		0	9			(GMT) 12	•	•	ġ.	7	15.0	,	4	0,1	314	00
		HOUR	0	~ ~	יט ע	J 4	~ 1	U 4	_	<b>S</b>	D L	14	_	•	e		. 64	100		8004 090	8.2	6.1	4.1	7.0	2.4	8.6	8.4	•	• 4	00.00
		8	69	4.7	m n	m	1.	1.0	6	7.6	7.7	6	5.6	11.1	6	•	3.5	100.0		÷ %	00	۵.	0	. "		.2	5.		430	
		ED AND	00	7.1	5.3	3.9	2.9	4 4	8.2	4.7	7.0	13.5	9	10.4	4.5	•	490	100.0		60			•	•	4	~	~	0,	54	9
		Y SPEED																		٥	_		<b>I</b>		8 14,	14	20		•	0 100
		ION BY																		ŏ	•	•	•	• •	17.	0	4	•	4	100
ER	e	DIRECTION	MEAN	20.7	18.8	16.5	19.2	19.2	18.9	20.2	22.7	21.7	21.1	20.2	21.4		19.9	•	3A											
NOVEMBER	TABLE	NIND	PCT FREQ	6.3	# P		2.3	0.0	7.7	٠, ٠	8.0	14.6	7.6	4.4	2.0		,	100.0	_ ₹	MEAN	•	•	•		20.7	•		9 6	19.9	
		UENCY DF	TUTAL UBS	119	57	7.7	44	4 6	145	104	154	273	142	182	46	<b>&gt;</b> ;	1875		•	PCT	9.1	7.4		1 2 2	16.5	22.1	14.7	2 1	•	100.0
		FREQ	+ 9 +	w. 0.												?		1:1	)	TOTAL	-	m.	<b>→</b> a	0 4	310	_	1		1875	
		PERCENTAGE	34-47	, n					•	0.0	• •	1.9	•	1.5	۲.	•	-	11.5	1	+1+	4.	7				1.2	4.	•	14	
	696	PE	22-33		1.3	•	•	1.3	•	•			•	•		•	2	27.9		28-40	•	•	•	•	4.3	•	•	•		22.0
	1942-19 1901-19		ND SPEE 11-21	2.7	• •	•	•	1.7		•				•	•	•	9	35.3		SPEED (	•	•	•	•	5.9	•	•	•	2	31.4
	(PRIMARY)		4-10	1.3	- - - - - -		•	1.4	•	•	• •	•	•	•	•	•	-	20,1		7-16	•	•	•	•	4.3		•	•	262	•
			0-0	40.		20	2.	. 1.	6.	:	•	5	.2	e.	o c	. 1	78	4.2		9-0	1.1	•	•	• (	1.9	•	•		2	•
	PERIOD:		WND DIR	ZZ	υ ω Ζ Ζ ω	<b>.</b>	N 0	SSE	S	E S	303	3	X X	Z	Z ·	\$ :	CALM OT OB	-		WND DIR	z	<b>ž</b> .	ח מ	ή _σ	N.	3	Z ·	<b>T</b> _	TOT OBS	OT PC

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p³

														TOTAL OBS	9	34	43	36	45	22	. o	, ,	9	67	100	186	91	46	6	, <b>~</b>	1080	0
8											>4/8)			NH CE/B ANY HGT	1.3	9.	1.0	6.	<b>6</b>	<b>4</b> 1			1.9	1.7	4.2	6.7	2.9	0,0	. 0	. in	339	31.4
HARBOR											(FT.NH >	ě		8000+	•	•	•	-	0		• •				0	0	•	o o	0 0		7	• 2
DUTCH 165-17												DIRECTION		6800 1	•	•	•	0	•	0					0	<b>:</b> ·	∹.		0			6
A 0008											G HEIGHTS	Z		2000	0	•	0.	•	• ·	·	•				0				20		5	5.
ARE		A L S	4	479	98	99	75				CEILING	5/8 8/	)	3500	۲.	۲.	•2	0	o e	٠,	<b>.</b> C								•		15	
	2	TOTAL O DBS					_	0		ABLE 6	P	N I N		3499	9.	7.	• 5	•	4.	7.	J K	. 4	1.0	4.	1.2	2.0		0.1	• •	0	120	11.1
	R (GMT)	PCT	100	100.0	100	100		100.0		TAE	FREQUENCY	AC BON		1000	1.7	1.1	1.6	•	1.4	•	. 0	1.6	1.5	1.8	2.0	0,0	0.0	7.7		0	281	•
	BY HOUR	MEAN	20.	19.4	20.	19.	19.					OCCURRENCE		009	1.1	.7	9.		6.0		, ,	1.8	9.	1.5	0.1	7.0	• .		0	.2	189	17.5
•	SPEED	CALM	-			_		.7			ERCENTAGE	AND		300	<b>m</b>	۲.			٠ د	. c	0 4	2	.2	7.	<b>س</b> (	•	•	2 0	0	0	39	3.6
TABLE	ONIM	(KNDTS)						1.1			α.			150	•	•	•	•	•	•	) -		•	٠.	•	٠, ۱	7.	7.0	. 0	0	01	6.
	NCY OF	SPEED 34-47	~	10.0	~	~	N	11.5						000	•	4.	•	-	ų,	٠,	• -	1.2	80	.5	5.	۰,		7.6	0	0	11	7.1
	FREQUENCY	WIND 22-33	28.7	27.8	27.7	27.5	524	27.9																								
	ERCENTAGE	11-21	6	34.9	8	5	99	•			(EIGHTHS)		MEAN	LOUD	•		9.9	•	•	•	• •			•		•	•	•		6.4	•	
	PER	4-10	0	21.9	~	0	n	20.1				z		TAL C	9	34	43	9	7 6	77	- OI	73	99	•	100	30 C	7 6	47	n 0		080	•
••		1-3	•	4.2		•	9	9.		*	AMBUNT	DIRECTION	•	101 0	~	7	<b>6</b> 0 (	0 0	, r	- ~	1	~	-	<b>~</b> 1	<b>.</b>	٦ ،	<b>y</b> -			2	7	4 10
2-196		HOUR	030	6039	261	862	5	PCT		TABLE	CLOUD	IND ON		7 8 5 0850	6 2	9	8 .	- ·	o .	10	. M	4	4	2	61	* °	9 7	• •	,	2	2.	4
194			0	0	-	-					TOTAL	B		4 5-	2		 	٠,	•			1	-	2	יח ו	~ ~	ח מ	0	. 0		m	94
IMARY)											EQ 0F			W I	•	•	•	•	•	•	• •	•	•	•	2,	n –	• -	•	• •	•	15	13.
0: (PR											PCT FR			0-2	4.	•	2.	•	•	•		•	Φ.	•		•	•	• "	. 0	•	2	•
PERIUD											_			WND DIR	z	N N	w ( 2 ;	2	1 U	1 C C	SSE	S	SSE	30	NS.	¥ 2	2 2	2 2	VAR	CALM	-	0 <b>T</b> PC

NOVEMBER	
	1040

18 DUTCH HARBUR 1 165-172W	
AREA 0008 51-55N	
TABLE 7	
1942-1969 1901-1969	
PERIOD: (PRIMARY) (OVER-ALL)	

DCCURRENCE	SY (NM)
	AND VSBY
SIMULTANEDUS	>4/8)
<u>Р</u>	I Z
CT FREQ	G HEIGHT
CUMULATIVE	OF CEILING

	OR	<b>^</b>	u	20		2.3	12.5	9 0	0 4 6 0	26.9	60.5	1	* 10	68.5	739
	* OR	>50YD	4			6.3	13.5	900		000	60.5	· · · ·	***	68.5	739
	90	>1/4	4	0	•	5.3	3.5	30.0		700	60.5	414		68.2	736
~	* OR	>1/5	'5	0	•	5.3	13.4	30.7		000	4.09	4 19	1000	67.4	727
VSBY (NM	# OR	<b>&gt;1</b>	3	0		7.7	13.3	30.3		200	59.5	4.09	•	65.6	708
	. OR	>5	7	0		7.7	13.3	38.6	7 7 4	0 ** 0	57.9	50.00		62.7	417
	■ OR	<b>&gt;</b> 2	rJ.	0	,	7.7	12.6	34.7	67.0		50.3	50.9		52.5	999
	# 0R	>10	6	9.		7.0	۰.۷	18.4	24.5	1	25.0	25.2		25.3	273
	CEILING	(FEET)	- OR >6500	■ DR >5000	- OP 13500	חסריי אס	* UR >2000	■ OR >1000	# GR >600		# UR >300	■ OR >150			TOTAL

TOTAL NUMBER OF OBS: 1079 PCT FREQ

PCT FREQ NH <5/8: 31.5

TABLE 7A PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL OBS	1123
08800	6.8
æ	27.8
7	12.4
•	11.7
K/	10.1
4	89
m	8.5
7	7.5
7	3.9
0	5.6

		PCT	1.16	74.4	9.49	6.4 7.0 13.4	8.3 29.6 37.9	38.1	100.0
		TOTAL	100	946	31 19 50	96	116 416 532	544 5335 579	1405
α¢		CALM	000	000	000	000	-0-1	0%1	œ vŷ
DUTCH HARBOR 165-1724	7	VAR	000	000	000	000	000	000	00
DUTCH 165-1	ITATION	Z Z	0.1.1	440	704	- 4 co	1.2	2.6	78
-55N	PRECIPITATION	Z	င္ဝ္၁	500	0.1.4	25.0	2.6	4.080	115
AREA 51-	9	Z Z	000	000	91.0	4.62	406	2.9	101
	OR NON OCCURRENCE VISIBILITY	3	404	444	44.4	1.0	5.0 9.8 9.5	6.6	22 <b>2</b> 15.8
	SIBILI'	MSM	0.1.1	1.47	~ m •	404	4.50	9.6 53.0	125
	SE OR 1	N	0	7.78		991-	1.9	2.6	9.9
<b>6</b> 0	URREN(	SSW	m		112	15	2.1 34	1.7	8 9 9 9
TABLE	VS DC	s	404	440	4-1	7.57	3.0	2.7	107
	RECTION VS OCCURRENCE (WITH VARYING VALUES OF	SSE	0.1.1	4	นนอ	4.18	1.5	1.5	4.88
	10	SE	4	4.12	444	1.9.7	22.3	1.2	6. 8.
	OF WIND	ESE	7.0	2.10	4.14	6.1.0	11.53		2.3
	T FREQ	ш	0.1.0	000	40.2	4.1.	1.6	1.1	58
	PERCENT	ENE	000	000	40.4	4,40	2.8	1.4	3.1
1942-1969 1901-1969		Z H	404		w 0 4	15.98	20.02	1.1	4.8
		N N	000	000	000	w 4 o	4 9 4	1.1	8.7
(PRIMARY) (OVER-ALL)		z	-0	w 0.4	4.40	40	1.9	2.0	6.5
			PCP NO PCP TOTAL	PCP NS PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL
PERIODI		VSBY		1/2<1 ×	142 P	g 2 5	g (1) c	4 Z F	-

AREA 0008 DUTCH HARBOR
51-55N 165-172W
PERCENT FREG OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

-

4

PCT	14080	21.4.1	3000	13.2.2.5 13.2.4.9	1.4 6.2 12.8 16.2 36.7	1.8 10.1 17.1 12.9	100.0
TOTAL	10 22 22	17634	41118	10 42 68 137 257	26 236 299 676	186 316 238 774	1843
CALM	• •	• •	• •	. 2	s. e		13
VAR	00000	00000	00000	••••	00000	00000	••
* * * * * * * * * * * * * * * * * * * *	0	00100	00110	13.51	301.30	0.1.6.8	94
ž	00000	00-10-	0	44.5.43	1.2	1.2	181
Z	00000	01100	00114	116.49	1.00		142
*	00077	00:14	1004w	044.6	3.8 3.9 107	15.00 m m m m m m m m m m m m m m m m m m	264
MSM	00011	011.62	01226	11111	127.7.6	11.88	153
NS.	00077	00110	0	25000	44000	1.4	155
SSW	00004	00004	70.1.0	0.12.7.1	0,000	33	102
S	0,000,0	0 - 10 - 0	44450	04944	1	30.50	142
SSE	00110	0-004	61141	021.62	041084	4.00.00	4.9
SE	01114	0.10.14	00144	114.00	- w & w &		91
ESE	0.000	0.40.4	00144	75.510	126.26	12895	41 2.2
ш	01017	00000	00070	116.10	1.1	46.64	3.7
ENE		00000	o'i'o'w	01040	- 225, 25	000000	3.1
Ä	00044	00100		1.1.0	2.4.1.4.12	4000	81
NNN	00000		0,000	0.1.0.1.1	m 0.4 p	182.611	49
z	00101	0014	04442	12.20	1.2	1.1.1	118
SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
VSBY	<1/2	1/2<1	142	2<5	5<10	10+	

	DUTCH HARBOR 165-172W		TOTAL OBS	311	268	260	260	1009	
	AREA 0008 51-55N	Q	NH <5/8	31.5	33.6	30.8	32.3	352	
	A	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	68.5	4.99	69.2	67.7	747	
		EET, NH DUR	8000+	.3	•	•	*	22	
		HTS (F)	6500	•	•	4.	•	m m	
2	10	G HE 10 NH <5/	5000		•			พพ	
	TABLE 10	CEILIN CE OF	3500	2.3	1:1	60	1.2	15	
		CY OF CURREN	2000	8.7	10.8	13.8	11.2	121	
		REQUEN OC	1999	28.0	3.0 16.3 27.2	23.8	23.8	284 25.8	
		CENT F	009	4.2 18.3	16.0	14.6	19.6	189	
		PER	300	4.2	3.0	33.00	3.1	3.5	
			150	1.0	1:1	œ.	8	01.	
	1969 1969		149	4.8	7.1	10.4	6.9	7.2	
	1942-1969 1901-1969		HOUR (GMT)	60300	60390	12615	18621	70T PCT	
	PERIOD: (PRIMARY) (OVER-ALL)								
	PERIODS								

	AD/CNA	TOTAL OBS	306	265	255	253	100-0
	Y (NH)	1 <5/8 ID 5+	29.1	30.9	27.8	30.8	320
2	CUMULATIVE PCT FRES OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	<pre>&lt;150</pre>	35.6	33.2	34.5	35.2	374
TABLE 12	OF RANG	<1000 <5	4.6 10.1 35,3 35.6	7.5 12.8 35.8	10.6 16.9 37.6	11.1 34.0	136 385 12.6 35.7
	FREG G HGT	<b>6000</b>	10.1	12.8	16.9		136
	IVE PCT CEILIN	<150 <50YD	4.6	7.5	10.6	6.3	77
	CUMULAT	HOUR (GMT)	60300	60390	12215	18621	T0T PCT
		TOTAL OBS	306	265	255	253	1079
	(NM) BY HOUR	10+	56.5	37.7 44.5	45.5	47.8	33.3 48.8
٦.		5<10	26.5	37.7	32.2	37.9	33.3
TABLE 11	ICY VSBY	2<5	11.4	12.1	15.3	8.3	127
	FREQUEN	142	4.2	2.3	2.4	3.6	3.2
	PERCENT FREQUENCY VSBY	1/2<1		3.0	2.7	1.2	20
	_	<1/2	1.0	*	2.0	1.2	12
		HOUR (GMT)	€0300	60390	12615	18621	T07

			CALM		•		.2	-	•	11	6			TOTAL	373	323	236	318	1250
		TEMP	VAR								0		HOUR	MEAN	82	83	83	82	83
BOR		ΒY	X Z	5.			2 6.2			~	~		RELATIVE HUMIDITY BY	90-100	32.4	35.9	33.9	41.8	450
DUTCH HARBOR 165-172W		IRECT		.2	2		7.2		7		21.4		HUMID	80-89	9.5	5.7	34.3	59.9	369
0UTC 165-	E 14	O QNIA	SW	9.	2.8	8.4	4.4	•	•	201	16.2	E 16	ATIVE					2	
0008	TABLE	Y 0F 1	S	5.	3.9	7.1	1.9	•2	0.	168	13.5	TABLE		70-79				18.9	
AREA (		FREQUENCY OF WIND DIRECTION	SE	.2	2.0	6.8	1.0		•	125	10.1		ENCY 0	69-09	13,1	14.6	8.9	8.8	145
		PERCENT FR	ш	•	1.3	3.2	1.9	•5	•	81	6.5		PERCENT FREQUENCY OF	30-59	2.7	2.8	1.7	•	25
		PERC	NE	•	9.		2.8	6	•	96	7.7		PERCENT	0-29	•	•	4.	•	-
			Z	.2	ē.	3.8	3.5	1.4	•5	119	9.6		_	HOUR (GMT)	60300	60390	12815	18621	T0T
		Ę	FREG	1.9	13.8	51.4	29.5	3.5	•5	100.0									
		TOTAL	088	23	172	639	363	43	6	1243			HOUR	OTAL	543	416	388	465	1872
		BY TEMP	90-100	.3	4.7	17.6	11.3	2.1	•5	655	36.1		₽	MEAN T		40.6	0.3	40.5	
		ITY BY	80-89	4.	4.7	15.3	8.2	0	•	366	29.4		(DEG	NIN				30 4	
		RELATIVE HUMIDITY	70-79	• 2	3.2	11.9	5.5	•5	•	259	20.0		OF TEMP (DEG F)	1%	31	35	35	35	35
	TABLE 13	LATIVE	69-09	.7	1.0	5.8	3.5	4.	•	143	11.5	<b>1</b> 0		28	35	34	34	33	34
1969	1	UF RE	50-59	°.	.2		•	°.	•	21	1.7	TABLE 15	PERCENTILES	20%	41	41	41	41	41
1942-1769 1901-1969		QUENCY	65-05		•		•2	•	•	4	e.	-	AND	95%	9 4	40	45	46	94
(PRIMARY) (OVER-ALL)		PERCENT FREQUENCY UF	30-39 40-49 50-59 60-69 70-79 80-89	0.	•	•	•	•	•	د	•		TREMES	<b>%66</b>	20	64	<b>4</b>	51	20
		PERCE	0-29	.1	•	•	•	•	•	-	7		MEANS, EXTREMES	MAX	54	53	52	53	40
PERIODI			TEMP F	50/54	45/49	40/44	35/39	30/34	25/29	TOTAL	PCT		¥	HDUR (GMT)	00603	60390	12615	18621	101

NOVEMBER

AREA 0008 DUTCH HARBUR 51-55N 165-172W	
TABLE 17	
PERIOD: (PRIMARY) 1942-1969 (OVER-ALL) 1901-1969	

(WITHOUT PRECIPITATION)	
90:	
F ₹	
OCCURRENCE (	DIFFERENCE
뽀	LIRE
AND	MPFRA
Î.	7
(DEC	SE
PCT FREQ DF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG	VS AIR
AIR	
9	
FREQ	
PCT	

FOXO	101446911010101010101010101010101010101010101
3 O E	N 000000000000000000000000000000000000
101	111 129 140 179 1179 1179 1170 1170 1170 1170 1170
53	0.0000000000000000
52	000000000000000000000000000000000000000
4 4 8	141
44	44 
37	# 44 • 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10
99	21122 200000140001400404041
32	
AIR-SEA TMP DIF	9

¥	
ח	
Σ	
<b>X</b>	
<b>-</b>	- (

AR80R	:I		TOTAL	~	•	12	۰	<b>•</b>	•	m	m		0	<b>o</b> 0	<b>&gt;</b> C	<b>)</b> (	• 0	• 0	• 0	• 0	a	47	9.1		TOTAL	~		15		o ~	· ~	2	m	0	0	0	0	00	•	<b>)</b> (	• 0	c	>
DUTCH HA				c.	0	•	•	•	•	0.	0.	•	0	0 0		•			0	ç	0		•		+8+	•	0	0.0	•		•	•	•	°.	•	•	•	0,0	•		•	c	•
A 0008	FT)	W.	34-47	•			•												•				•	SE	34-4	•			•					o.	•			•			•		
ARE	IGHTS			•	•	1.0	•	1.0	•	\$.		.2		•	5	9	0	0	•	0	0	21	4.1		22-33						4.		•	°.	o.	0,0	•	0 0		0			•
	SEA HE		11-21	•	•			7.	4.	•	•	•	0.0	•			•	•		•		10			11-21	•	•	9.1	•	•		•	•	•	•			•					
	VERSUS		4-10	4.	1.2	•		2.		o.		0	o e	•	•		•	•	•	•	•	13	2.5		4-10	•	1.0	ņ	,	•	•	•	•	•	0	o e	•	9 9			•	Ç	
MBEK LE 18			1-3	0	•	•		•	•	•	•	•			•				•		•	0	•		1-3	•	•	o.	•	•	•	•	•	•	0.	•	•	• •		9	0.	C	
NUVEMBE	(KTS) AND		OTAL	<b>-</b> - ;	<b>-</b>	<b>,</b>	2 6	<b>.</b>	3	m	0	<b>~</b> (	<b>o</b> 0	> 0	•	• 0	0	0	ာ	0	0	4 8			TOTAL	71	۱٥	<b>n</b> 0	<b>,</b>	'n	m	<b>→</b>	7	<b>-</b> • .	0	<b>o</b> 0	<b>5</b> 0	0	0	0	0	c	•
	SPEED		484	٠,					•		•		•	•	•				•	•	0	0	•		484				•				o.					•				Ç	
	OF WIND		34-47	•	္ ဇ	•	* (	7.	•2							•	0	•	•	•	•	4	æ		34-47	•	•	•	•	~	•	•	•	7.	o o		•	•		0	•	•	
	T FREG (	z	22-33				7.0																	ш	22-33	0.0	•	7.4	•	.2	4.	•	4.	•	0.0	•	•	•	0		•		
69	9		_	•	4 0	•	* *	<b>5</b> 0 (	. 2	•	•	•	•	•		•	•	•	•	•	•	23	4.3		11-21	•	•	• -	• •	•	•5	•5	•	0	o o	•	•	•	0	•	•	•	
1963-196			4-10	7.	• 4								•									<b>c</b>	1.6		4-10	•	1.6				•	•	0,0	•		•	•	•	0	•	•	•	•
MARY) R-ALL)			1-3				•															0	•															•					
(PRI)			H67	7.	7-7	4 4	200	- 0		11-0	v'	7	0-23	1	-6	4	4	9	-	8	~	-	ပ		HGT		•		~	6		~	77	1	7 0	1	14	1-48	9-	-	8	_	1

PERIO

																							GRAND	12	75	9	112	7.	32	91	34	•	0 0	n w	0	0	00	<b>o</b> c	0	515	100.0
HARBOR 2w		TOTAL		<b>60</b>	E .	7 .	12	-	(1)	٥	2	ο,	<b>→</b> 4	r 0	0	0	0	0	0 [	16.9	)		TOTAL	0		0 7		0 4	r kn	<b>~</b>	7	0-	<b>→</b> C	0	0	0	00	9 0	0	19	11.8
<b>В</b> ОТСН 165-17		48	•	•	0,0	•	9		.2	•	•	0	9	0	•	•	•	0	o r	٠ ٠			+8+	•	•	•	• ·	•	•	•	0	•	•	•	•	0.	•	•	0	0	•
A 0008	FT.)	SW 34-47	•	•		•	* (			Φ.	0.		7.	0					0.5			X	34-47	٥.	•	•			2		4.			•						*	
AREA 51	IGHTS (	22-33	•		•	٠	7.1	•			4.		2 0						0.46		•		22-33	•																~	2.5
	SEA HEI	11-21	•	•	1.6	•			•	•5	•	•	• •	•	•	•	•	•	0 0	5.6			11-21	•	•	1.6	•		.2		0	•		•	0.	•	•	•	•	35	6.2
	VERSUS	4-10	•	1.0	•	•	9 0	•	•	•			9 0	•	•	•	•	0	0.0	1.7			4-10	•	1.2	4.												•		-	
18ER .e 18	DIRECTION	1-3	•	•	•	•		•	c.	•	•	•	9				•	•	•	•			1-3	•	•	0.0	•		ç	•	0.	•		•	0.	•	200	•	0.	0	•
NOVEMBER Table 1	(KTS) AND	TOTAL			12		0 0	, ru	7	4	0	<b>V</b>	<b>o</b> c	0	0	0	0	0	0 7	11.8	1		TOTAL	6	12	16	67	12	-	'n	15	<b>m</b> r	۷ ر	<b>.</b> ~	0	0 0	<b>&gt;</b> C	0		12	24.1
	SPEED	<b>48</b>	•	•				•		•						•	•	•	•	•			48+	•	•					•		0,0					2 0	•	•	-	•5
	OF WIND	34-47	٠				2 4						•			0.		င့်		1.7			34-47	•						4.								0			5.5
	T FREG	5 22-33	•		•		• •						•			•			0 4				22-33	•	0	•	•	1.2	•	•	1.7	4.		. 2	•	0,0	2 0	0	0	4	9.1
69	PC	11-21			•								9										11-21		•	•		•										? ?		4	
1963-1969		4-10	•	1.4	* "		0	•	0	0	•	•	0	0	•	•	•	0,0		1.9			4-10	•	7.1	•		•	0	0	٠. د	9 0	0	•	0	0,0	. 0	•	0	-	3.5
MARY) R-ALL)		1-3	•	•	•	•		O,	•	•	0,0	•	•	Ç	•	0.	•	o.	• -	. 2			1-3	•														? ?		0	•
1001 (PRI)		HGT	-	•	M M	-	6-8	•	12	3-1	1-1	2 . 6	26-32	3-4	1-4	9-6	1-7	1-8	-	PCT			HGT	7	1-2	4 4	2	8-8	10-11	15	3-1	1-0	3-2	6-3	3-4	1-4	1-7	71-86	87+	TOTAL	2

	1 2	13	75	26	112	7.2	51	32	16	34	•	2	9	2	o	0	0	0	0	0	16	•
	TOTAL		•		7	•		•••	•	•••											5	100
(FT)	+8+	•	•	•	0	•	•	•	.2	.2	0.	•	0	4.	•	•	•	•	•	•	4	•
HEIGHT	34-47	•	•	•	9.	1.0	1.6	1.0	1.4	2.5	4.	•	4.	• 5	•	•	•	•			50	
VS SEA	22-33	•	°.	3.5	7.2	7.0	4.7	3.7	1.2	3.5	•	.2	.2	4.	•	•	•	°.			166	
(KTS)	11-21	•	2.5	10.9	12.4	5.8	3.7	1.4	4.	4.	•	•	•	0	•	•	•	•				40.1
SPEED	4-10	1.9	6.6	3.5	1.6	• 5	•	• 5	0.	•	•	•	•	•	•	•	•	•	•	•	86	16.7
MIND	0-3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	9	٠.
	HGT	₽	1-2	3-4	9-6	7	6-8	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	<b>87</b> +	TOTAL	PCT

1

TABLE 19

	MEAN	4	7	•	11	12	15	-	7	
	TOTAL	131	163	136	99	30	56	23	575	0.001
	87+	•	•	•	0.	•	•	•	0	0
	71-86	•	•	•	•	•	0.	•	0	•
	. 02-19	•	•	•	•	•	•	•	0	•
	49-60 61-70 71-86	•	•	•	•	•	0	•	0	•
:	1-48 4	•	•	•	•	•	•	0	0	•
PERIOD (SECONDS	3-16 17-19 20-22 23-25 26-32 33-40 41-48	•	0	•	•	•	•	•	0	•
3) 0013	26-32	•	•	.7	6.	3.	s.	•	15	5.6
WAVE PER	3-25	•	.2	6.	.2	۳.	•	•	•	1.0
NS M	0-22	•	•5	.7	• 5	•	5.	•	11	1.9
HEIGHT (FT) VS	7-19 2	•	e.	1.	٠.	٠.	.2	•	12	2.1
	3-16 1	• 5	1.7	3.0	1.6	٠,	2.1	•	52	0.6
F WAVE	12 1	•	1.4	1.2	6.	6.		.2	30	5.5
PERCENT FREQUENCY OF	10-11	e.	5.6	2.3	2.3	1.2	•	•	53	9.5
FREOL	8-9	5.4	3.7	3.8	5.4	6.	•	•5	17	13.4
ERCENT	7	2.3	2.0	6.6	1.4	.2	0	•5	90	15.7
•		4.0	8.3	3.7	e.	-5	•	•	95	16.5
	3-4	6.3	4.0	•5	•5	•5	•	•	9	10.8
	1-2	<b>8.</b> 9	•	'n	e.	•	?	•5	20	8.7
	₽	5.	•	•	•	•	•	3.3	22	<b>6</b> 0
	R100	9>	6-7	6-8	0-11	2-13	>13	NOET	DTAL	PCT

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ł

	8		TOTAL	088	161	11	113	100	122	105	2 0	126	74	4	84	157	112	129	110	0	13	→	100.0				085	0	500 618	415	438	~ (	100.0
	CH HARB -172W		40	N I			•	•	•	<b>9</b> 0	•	• •		•			•	•	4.8		•		*			T.	SIG		2 :	9	73.5	3	•
	0008 DUT		R PHEN DUST	LWG DUST	•	°.	•	o.	•	ဝှင						•	•1	•		0		<b></b> 4 ,	7			2 2	LWG DUST				0		<b>:</b>
	AREA 00	RECTION	R WEATH SMOKE	60 60 	3	•		•	0.	ဝှင	• -	•	•		•	•		•	•	•	•	4	.2		HDUR	A NE	HAZE B	•	7.			· <b>†</b> (	7
		IND DI	OTHE FOG	PCPN PCPN	•	•	7.	7	7.	۰,۰	•		0	7	•		•	-:	•	•	0 !		1.5		BY H	OTHE	2 0 0 N	,	1.	•	1.1	2	•
		E 87 W	THOR	1	0	•		0		٠ •		0				•	0.	•	•	ပ္		0	•		OCCURRENCE	-	LANG	•	• •	0	•	0 0	0
¥	-	OCCURRENC	TOTAL	PCPN 08 S	33	14	37	31	30 (F)	60 K	0 0	30	13	11	14	25	18	n (	52	ο.	- (	423		LE 2	WEATHER DC	Ċ	PCPN DBS		97	80	110	7	
DECEMBER	TABLE	F WEATHER	T FRE	PCPN AT		•	•	•	•	2.5	• •	•	•	9.	•	•	•	1.9	•	0			24.1	TABL	Y 0F		PCPN AT		23.6	-	5		24.0
		QUENCY 0	HAIL		•		•		•	90	•		•	۲.	-:	•5					•				FREQUENC	1	1 4 1		10	5	.7	12	•
		FREQUI	TYPE	RZ CP						•											• ·	٧.	:		AGE	YY	FRZN	•	2 ~		•	7 -	•
		ENTAGE	TATION SNOW D								` -	5			۳.		•	4.	· ·	o o	• 1	7 (	•		PERCENT	TATION					0.3	-	•
		PERC	RECIPI FRZG	<u>م</u>						•													7.			RECIPI EP76	CP	r	10	•	0.	<b>→</b> ~	•
			DRZL		.3					, r										۰,۰		0				9 17 90	2		4	•	4.6	187	•
	-1969		RAIN	I						2.										•		9				-	SHWR		7.7	•	1.1	0, 1	•
	1944		RAIN			<b>.</b>	٠. د	•		- 0		1.0	4.	. 2	ů.	7	m (	,	7.	• c	• 4	7	•			2	•		• •	•	9.8	0	•
	(PRIMARY) (DVER-ALL)		WND DIR		z	W.	w i	n N	1 U	ח טיי חידו	SSE	S	SSE	X.S	I SI	<b>3</b>	2	3 I	Z :	X - X	20 00	- 1	2			=	(CM2)	0 5 0	ت د	261	862	ם כ	,
	PERIODI																																

		21	7.9	1.3	11.8	9.9	•	10.5	~	4.0	7.0	5.3	5.3	3.9	•	1.3	8												
BOR		18	9.1	8.5	4.6	5.4	F. 7	0.0	3.5	7.5			7.8	0.9	0	1.3	100.001			21	5	2,	• -	80	6	~ •	70	6.3	00
DUTCH HARBOR 165-172W		15	0.0	0.6	0.0	0.4	0.0	2.0	0.9	0.4	0 0	200	0.9	0.6	0	0 0	0				10	13	1 1		<b>.</b>	E '	•	_	100
501CH		(GMT) 12	0,0	7	9.6		7	20	8	6.4	. 4	2	6.	.3	٠ •	- 4	0.0			18	~	13.6	10	σ	13.4	n c	•	1.	100.0
0008 -55N		HOUR CO	9. 6								_	•				0 %	10			15	13.0	9 (	17.0	_	6	12.0	n	1.0	100
AREA C		¥°	9 0	100	<b>0</b> 00	0	n a	00	4	7 4	rk	۰.0	7	•			100		CMT)	15	S.	14.3	0 0	0	დ ∙	10.0	n	1.1	00.00
	HOUR	ŏ	9.6	80	6	4	7.0	7	4	5		9	7.6	5	•		100.0			60	•	<b>-</b> 0	٥.	.7	80	m c		0.	0 1
	BY HC	60	5.3	7.9	6.9	13.2		7.6	5.6	5.3	9	5.3	9.2	5.6	0	0,5	100.0		Ŧ	90		-4 -		-	•	-	-	r.i	.0 100
	O AND	00	4.6	0.0	4 m	4.7	6.0	8	5.5		0	8.0	8.0	5.1	٠,	513					14	11	20	12	2	9 :	V		100
	SPEED																7			8	•	6		0	1.	i.	; ∙	• 1	100.0
	ON BY																			8	2	10.3	<b>v</b> 0	3	00 1	17.9	0	1.2	100.0
	DIRECTION	MEAN	16.9		. 6	2	· •			-0	7	0	5	6	•	18.2		A6											
TABLE	WIND	PCT	800	6.9	4.0	5.4		7.2	4.4	5.3	7.6	6.1	7.4	0.9	•	0.1	0.00	TABLE		MEAN SPD	8	16.9	<b>)</b>	~	80 (	70	. 0	0	7.01
•	ENCY OF	OTAL OBS	186	146	114	114	128	153	46	112	198	130	157	126	۰;	2115	1			PCT	2.7		1.1	1.7	0.0	0.0	. 0		0.00
	REQU	+ 8	* -		-: -:		٠,٠	+ +	•		*	7	0	٠.	•	96	; <del>-</del> •			S S	9	9	9	4	-	NO	90	2.	7
	AGE F	4	• -	•• •	<b>~</b> ~	. 0	m 4	t in	4	<b>6</b> -	• •	٠٠	9	2	0	7	4			101		2						•	77
	ERCENTAGE	TS) 34-4	• •	•	• •	•	•	• •	•	•	• •	•	•	•	•		1			414	6	~	. n				0		2.7
696	PE	ED (KNOTS) 22-33 34	2.0	•	2.0		•			•	•		•	•	•	Œ	23.0		(KNDTS)	28-40		1.1					0	Č	14.5
1944-19 1900-19		IIND SPEE 11-21	3.8	•		•	•		•	•	•	•	•	•	•	0	42.3		PEED	-27	4.8	4.5	4. W.	3.5	3.5	• •	0		34.0
(PRIMARY) (OVER-ALL)		4-10	2.0	•		•		• •	•		•	1.0		•			21.9		3		•	در در د	• •	•	•	•	• •	•	37.3
(PRI)		6-0	* *		*			. 4			•			:	•	90	4.3			9-0	1:1	4.	0.0	1.3	1.2		• •	1.0	11.5
PERIOD:		WND DIR	z z	W.	i w	ESE	S	325	SSh	SE	; ;	ZZ	Z	3ZZ	VAR	CALA OT GB	TOT PCT			HND DIR	z	<u> </u>	SE	S	<b>X</b> :	z 2	VAR	E c	101 PCT

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DECEMBER

DUTCH HARBOR 165-172W				
AREA 0008 51-55N				
		TOTAL OBS	589 530 540 540 540 540	<b>9</b>
	(CHT)	PCT FREQ	1000.0	TABLE
	Y HOUF	MEAN	18.3 18.3 14.3 18.3 18.3	
	EED B	CALM	1.0	
TABLE 4	S QNIM	KNOTS)	2.1	
	AGE FREQUENCY OF WIND SPEED BY HOUR (GHT)	WIND SPEED (KNOTS) 22-33 34-47 48+	7.00	
	FREQUE	WIND 22-33	24.1 24.3 20.0 20.0 2.0 2.0 2.0	
	ENTAGE	11-21	42,1 40.4 45.6 41.5 894 42.3	
	PERCENT	4-10	20.5 22.1 20.4 24.4 463 21.9	
		1-3	8814 88	•
1944-1969 1900-1969		HOUR	00603 06609 12615 18621 707 PCT	TABLE
PERIOD: (PRIMARY) (OVER-ALL)				
PERIODI				

. 21

TABLE 6	PERCENTACE FREQUENCY OF CEILING HEIGHTS (FT,NH >4/8)	AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION	300 600 1000 2000 3500 5000 6500 8000+ NH <5/8 1 599 999 1999 3499 4999 6499 7999 ANY HGT	1.3 4.4 .8 .1 .0 .0	1.8 .5 .1 .0 .0	.7 2.8 .4 .1 .0 .1	.9 1.5 .6 .1 .0 .0 .0	1.2 2.5 1.0 .3 .0 .0 .0	1.2 2.1 1.2 .0 .0 .0 .1	1.7 .7 .0 .0 .0 .0		1.7 .3 .3 .1 .0 .0	1.1 .2 .0 .1 .0 .0	.5 1.2 .2 .1 .0 .0 .1	.7 .8 .2 .0 .0 .0 .0	1.1 1.9 .8 .1 .0 .1 .0	1. 0. 0. 0. 6. 7.1 3.1	.8 1.9 .7 .1 .1 .0 .0	0. 0. 0. 1. 6. 7.1	0° 0° 0° 0° 0° 0°	.1 .1 .1 .0 .0 .0 .0	193 425 138 18 4 3 4	14.0 30.9 10.0 1.3 .3 .2
			150	•	•	0	•	• 1	•	7	0	0.	•	0	•	•1		0	0.	0	•	•	4.
			000	4.	4.	.7	۲۰	6.	4.	1.0	•2	9.	7.	۲.	4.	9.	4.	.7	6.	•	•	104	7.6
	(EIGHTHS)	MAN	CLOUD	6.3	•	•	•	7.	7.	*	•	5.9	5.0	5.7	5.2	5.5	6.1	5.	5.6	•	5.	•	
	MOUNT	TION	TOTAL 08S	139	28	8	78	8,6	84	85	69	96	28	53	65	123	8	100	87	0	11	1375	100.0
TABLE 5	100D A	WIND DIRECTION	8 £ 085CD	4.4														2.0		°.			
1.4	DTAL C	BY WING	5-7	3.9	1.7	1.8	1.5	1.6	1.3	1.1		1.8	1.8	1:1	1.1	3.1	2.5	3.5	2.8	•	4.	944	32.4
	PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHT	æ	3-6	.7	e.	4.	4.	~	• 5	4.	4.	1.2	4.	•	6.	1.6	•	1,3		•	• 1	155	11,3
	CT FRE		0-5	1.2	4.	÷		*.	•5	s.	4.	٥.	1:1	3.	1.0	1.4	·.		1.1	•	-:	158	11.5
	•		WND DIR	z	NNE NNE	¥	ENE	w	ESE	SE	SSE	S	SSE	I S	ISI	×	ZZZ	Z	ZZZ	VAR	CALM	TOT 085	TOT PCT

100•0

TOTAL

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1944-1969 1900-1969				TABLE 7				AREA 0008 51-55N	DUTCH HARBOR 165-172W
	Š	OLATIVE	CUMULATIVE PCT FREQ DF CEILING HEIGHT		TANEDUS	OF SIMULTANEOUS OCCURRENCE (NH >4/8) AND VSBY (NH)	NC E		
CEILING	• 8	• 8		VSBY (NM)		• 08	<b>2</b>	• 0 8	
(FEET)	>10	>5	>5	<b>^</b>	>1/2	>1/4	>50YD	0	
	:	4.	4.	5.	5.	s.	5	5.	
■ GK >5000	4.	.7	٠,	Φ.	Φ.	∞.	œ.	80	
		2.0	2.1	2.2	2.2	2.2	2.2	2.2	
	8.2	11.0	12.0	12.2	12.3	12.3	12.3	12,3	
■ OR >1000	22.4	35.6	41.5	42.5	45.9	43.2	43.3	43.3	
■ OR >600	26.7	43.9	53.0	56.0	56.7	57.1	57.3	57.3	
■ OR >300	27.4	45.4	55.2	58.8	59.7	60.1	60.2	60.2	
	27.4	45.4	55.6	59.5	60.1	60.5	60.7	60.7	
■ OF > 0	28.2	48.1	59.9	64.7	66.3	67.3	68.1	68,1	
TOTAL	389	699	825	892	916	928	938	686	
TOTAL NUMBER	P	085: 1378	<b>6</b>	ă	PCT FREG	NH <5/8:	31.9		

DECEMBER

PERIOD: (PRIMARY)

4.4

TABLE 7A Percentage freq of Low Clouds (eighths)

-
1421
7.3
30.7
12.7
10.6
7.2
8.0
7.4
7.9
4.9
3.3

		PC	444	7 7	m N 9	4 8 6	322	4 to 6 to	100.
		TOTAL	8 11 10	14 4 4 9 4 9	67 39 106	86 152 238	132 396 548	51 711 762	1753
~		CALM	•••	000	-0.7	4.0.2	0.1.8	041	13
DUTCH HARBOR 165-172W	_	VAR	•••	000	000	000	000	000	00
<b>DUTCH</b> 165-17	PRECIPITATION	Z	40.0	0.1.1	444	2.4.11	1.5	2.7	110
A 0008	RECIPI	Z	70.7	0.1.1	v. 0 m	6.61	1.9	3.3 6.1	129
AREA 51-	9	R Z			104	642	4.0.4	2.5	112
	IR NON OCCURRENCE VISIBILITY	3	NO.W	 	104	1.1	2.1	4.9	157
	ON OCC	MSM	91.0	101	N.W. 80	N.W.B	1.5	1.8	4 8 4
		MS	0.1.1		0.10	1.9	1. 3.5. 3.5.	1.6	4.5
ю Ш	ON VS OCCURRENCE VARYING VALUES OF	SSW	717	999		11.5	1.5	1.3	4.2
TABLE	VS DCC	s	00°	61.2	<b>4.</b> ± €	N.04	1. 9.4. 9.4.		125
	IRECTION WITH VAR	SSE	000	1.2	~ · · · ·	- m &	1.1	2.1	89
		SE	4.1.5	440	4.40	.3	1.1	2.0 38	109
	OF WIND	ESE	446	w 0 m	* * * L	9.0	.9 .9	2.0 36	106
	FREQ	w	75.5	4.4	2.2	2. ° 5.	1.0	2.6	121
	PERCENT	ENE	44.	NO.W	4-0	2.7.	4 o u	.1 2.1 37	100
1969 1969	Δ.	Z W	401	4.4	1.1	200	1.4	2.2	113
1944-1969 1900-1969		NNE	.0.1	000	446	0 00	2.72	2.3	72
(PRIMARY) (OVER-ALL)		z		-0.0	º.	2.0.5	8 6 6 4	4.6 87	160
			PCP NO PCP TOTAL	PCP ND PCP TOTAL	TOTAL PCT				
PEKIODI		VSB√ KNN)		1/2<1	142	2<5	5<10	104	

		PCT	0 20 27	91.981	29.741	166.439	1.00 1.00 1.00 1.00 1.00 1.00	111.0 20.4 4.0 6.0	100.0
		TOTAL	10 20 36 56	17 20 23 62	99 98 190 190	19 49 98 130 296	27 117 287 215 646	239 429 209 916	2106 1
~		CALM	• •	• •	. 2	ý 4		. 01	21
DUTCH HARBOR 165-172W		VAR	00000	000,00	00000	00000	00000	00000	00.
<b>В</b> 165-17		X Z	0.10*	000##	04400	01664	# 70.0.7	1.9	126
0008 55N		Z	00100	00*0-	01176	w.w.4 - ₩	1.3		157
AREA 0008 51-55N	٥	Z	oo# iw	#00#N	00000	0044	14.18.18	1.6	130
	D SPEED TY	*	0.40.4	### w	*	1.62.7.	5.5.5	1.0	197
	VS WIND	MSM	000078	00#04	o** @	11.2210	C400W	06.17.4	4.7
	I ON	MS	··* ·-	01000	.: <b>*</b> .4	1.524.61	*4000	41.041	5.3
6	ND DIRECT VALUES D	NS S	.*	0	0.*0.*~	1535.20	01.87.4	*****	4.4
TABLE	ARYING VA	S	00000	11.220	01#77	* 0.25	, 4 ,	76.846	152
	FRE	SSE	00000	0++-(10	o.i# 20	115.21.0	14000	#1.04¢	105
	PERCENT	SE	0,#1,#4	017.10	0,4-1,0	# 7.7.4.8	0,000,0	1806.4	127
	•	ESE	0.1.* ow	0.1#	00148	18.25.10	9.000	0 4 4 4 4	114
		ш	0#122	0#	04448	0,4400	04	*6.06.99	147
		ENE	001.4	00#	0.17.10	2.6.5.0	*490	* 7.1.6.9	5.4
1969		N E	15.1.0	·***	01479	12445	9.00.4 m	1.02.4.64	146
1944-1969 1900-1969		N NE	000-17	•••••	00*	0.17.00	0	1.00	3.9
(PRIMARY) (OVER-ALL)		z	000#~	00017	o** w	01488	52.1.1	1.2	185 8.8
		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
PER 100 #		VSBY	<1/2	1/2<1	142	2<5	5<10	10+	

DECEMBER

DUTCH HARBOR 165-172W		TOTAL OBS	389	336	331	334	1390 100.0
AREA 0008 51-55N	2	NH <5/8 ANY HGT	30.1	33.6	30.8	34.4	447
AR	A (8) A	TOTAL	6.69	4.99	69.2	65.6	943
	ERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	8000	.3	•	•	.3	4.6
	HTS (FE	6500 7999		.3	•	.3	w .s
10	ENCY OF CEILING HEIGHTS (FEET, OCCURRENCE OF NH <5/8 BY HOUR	5000	•	•	€.	6.	4 10
TABLE 10	CEILIN CE DF	3500	2.1	•	1.5	1.2	19
	CY OF CURREN	2000	10.3	8.9	10.3	10.8	140
	REQUEN DC	1000	28.3	30.4	33.5	30.8	426
	CENT F	666	18.3	15.2	10.6	11.1	194
	PER	300	4.1	2.4	2.7	2.7	3.0
		150	1.3	e.	•	•	٥.
696		149	5.1	8.3	4.4	7.5	105
1944-1		HOUR (SMT)	60300	60390	12615	18621	PCT
PERIOD: (PRIMARY) 1944-1969 (DVER-ALL) 1900-1969							
PER I OD :							

	AND/OR	TOTAL OBS	385	335	327	331	1378
	Y (NM) Y HOUR	NH <5/8 AND 5+	28.1	31.9	26.6	31.4	406
	OF VSB	00+ NH	33.5	30.7	40.7	37.8	490
TABLE 12	RANGES EET, NH	<pre>&lt;600 &lt;1000 1000+ &lt;1 &lt;5 AND5+</pre>					482
TA	FREQ OF HGT (F	< 41	12.5 38.4	12.2 37.3	13.5 32.7	11.5 30.8	171
	VE PCT CEILING	<150 <50YD	6.4	8.7	8.6	7.6	105
	CUMULATIVE PCT FREQ OF RANGES OF YSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	HOUR (GMT)	60300	60390	12515	18621	101 PCT
		TOTAL OBS	385	325	327	331	1378 100.0
	HOUR	10+ 70		49.3	47.1	51.7	699 1 50.7 10
	(NM) BY HOUR	5<10	21.3 54.3	27.8	30.0	29.3	370
TABLE 11	CY VSBY	5<5	13.5	15.5	13.5	11.8	187
	FREQUEN	142	6.8	5,1	5.8	3,3	73 5.3
	PERCENT FREQUENCY VSBY	<1/2 1/2 </td <td>2.0</td> <td>1.2</td> <td>•</td> <td>1.8</td> <td>22</td>	2.0	1.2	•	1.8	22
	-	<1/2	1.6	1.2	3.1	2.1	27
		HOUR (GMT)	60300	60390	12615	18821	101 PC1

		z	•	6	•	5.4	•	•	•	•	-	13.2
		FRED	6	3.3	-	46.5	-	•	•	•2	100.0	) )
		TOTAL 08S	4	44	•	618	1	١,	6		1329	
	TEMP	90-100			2		6	•	•		9	37.1
	DITY BY	80-89	.2	•		13.6		•	•	•	σ	29.6
6	E HUMIDITY	70-79	.2	•		10.2	, ,,	٠	•	•	Ø	21.5
TABLE 13	ELATIVE	69-09	•	.2		4.6	•	•		•	8	9.1
F	OF R	50-59	•				•					2.2
	FREQUENCY	64-04	•	•	.2	•2	0	•	•	•	•	٠.
		30-39	•	•								•
	PERCENT	0-29	•	°	•	•	0		•	•	0	•

HDUR (GHT) 000503 06509 112615 18621

MEANS, EXTREMES AND PERCENTILES OF TE

707 AL 08 S 37 7 34 5 26 7 34 8

88888

31.8 44.6 39.1 498

30.0 31.3 26.6 29.9

26.3 19.7 18.4 20.1 286

8.5 7.9 8.6 122

40000

00000

MEAN

80-89 90-100

70-79

69-09

30-59

0-29

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

TABLE 16

000000000

3.00 7.11 2.11 2.11 168 12.6

5.00 100 100 100 100

6.20 6.20 1.70 1.70 1.00

5.12 5.12 5.11 1.60

50/54 40/44 40/44 20/34 10724 101AL

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

TABLE 14

(PRIMARY) 1944-1969 (OVER-ALL) 1900-1969

PERIODI

AREA 0008 DUTCH HARBOR 51-55N 165-172W

PERIODS

AREA 0008 DUTCH HARBOR 51-55N 165-172W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

PAGE 299

	2W			TOTAL	13	37	27	0	<b>→</b>	~	m	6	0	0	(	•	<b>o</b> c	•	•	<b>o</b> (	•	00	12.8	:		TOTAL	7	21	21	19			- (4)	10	-	O	0	0	0	0	0	0	0	0	0	12.4
1	165-17		!		•	0	•	•	•	•	•	٦.	•	•	• c	•		•	•	•	•	•	•	:		484	0	•	•	o c	•	•		•	0	•	•	•	•	•	•	•	•	•	0	•
	NSS-1	(FT)	•	4-	•	•	•	•	•	•	•	0.	0	0		•	•	•	•	•	•	-	17	:	SE	34-47	•	•	•	٠ •	•	•	0	5	.1	•	•	•	•	•	•	•	•	•	۰	•
ABE	16	IGHTS			. 0	4	8.	e.	•	٠.	.3	.3	0	0.		•								•		22-33	•	•	•	·.		. "			•	0.	•	•	•	•	•	•	0.	•	~	2.8
		SEA HE		11-21		3.2	2.2	6.	-		•1	•	?	•	o c	•	•	•	•	•	•	2.5	6.8			11-21	•	•	5.4	•	. 1				•	•	•	0	•	•	•	•	•	0	•	6.6
		VERSUS		4-10	1.1	1.3	• 5	°.	•	•	•	•	0	•	o c	•	•	•	•	•	•	26	3.2			4-10	7	2.1	4.	∹ °	•	2	0	•	•	•	•	•	•	•	•	•	Ċ	0;		2.8
~	18	DIRECTION		<u>.</u>	4	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•		· "	4			1-3	•		•	•		9	0	0	•	•	•	•	•	o.	•	•	0	·	٠,	:
DECEMBER	TABLE	AND DIE			. ~	_		_	_		_	~.	~ .	•	• -												•••			. ~				•	_		•	^	_	_	•	_		•		
		(KTS)		A LO	17	2	2	2	,-	_	•••	. •	•	•••	••	•				, .		10,	13.	•		TOTAL		<b>→</b> (	7 6	,	•		,-	12		4		_	_			•				•
		SPEED		<b>†</b>	•	•	•	•	•	•	•	•	•	•	9	2		9			9	•	•	ļ: !		48+	•	•	•	•	9	•	•	•	•1	•	ů.	•	•	•	•	•	•	•	* 4	·
		OF WIND	,	74-46	•	0.	0.	•	•	•	4.		•	ŋ.	•	•	•		•	9		10	1.3			34-47	•	o o	· ·	•		, m	4.	1.2		4.	•	•	o.	•	•	•	0	0 4	5,	5.5
		FREQ			•		•																			22-33												•		•				0 4	V	
	69	PCT	;	17-11	•	•	5.6	•	ů										9			51	6.7			11-21	•	•	2.0	•	-			•		•		•	·	•				0 5	*	0.0
	1963-1969			01-	1.8	€.		-:	0	•	•	•	•	•	9			0	0	0	0	23	3.0			4-10	•	1.4	•		0	0	•	•	•	•	°	0	•	0,0	•	•	•	2.4	7 .	•
1ARY)	VER-ALL)		1	1	•	•	•	•	•	•	•	•	•	•	•		90	9	0	0	0	0	•			1-3	-•	•	•	9	•	•	•	•	•	•	•	•						• -	• •	:
PERIOD: (PRI)	5		3	2 7	1-2	3-4	2-6	_	8-8	10-11	77	3-1	6T=/T	3 - 6	6-9	3-6	1-4	9-6	1-7	1-8	87+	TOTAL	7			HCT	7.	7-1		2	8-9		12	3-1	7-1	0-5	3-5	26-32	3-4	*	0,	<u>.</u>	1-8	# 10 T	4 6	2

HARBOR 2W			TOTAL	0	7	10	30	10	2	~	7	S	0	2	0	0	0	0	0	0	0	0	20	9.9
DUTCH HA 165-172W			48+	•	•	0.	•	•	•	•	•	•1	•	<b>.</b>	•	•	•	•	•	°	•	•	e	4.
EA 0008 51-55N	(FT)	N.S.	34-47	•	•	•	•1	0.	•	•	•	.3	•	•	•	•	•	•	•	0.	•	•	m	4.
AREA 51	HEIGHTS (			•	•	•		4.		٦.		6.	•	•	•	۰.	•	•	•	•	•	•	14	1.8
	SEA HE		11-21	•		.7	8	Φ.	•	•	•	•	•	•	•	•	•	•	°.	•	·	•	18	5.4
	VERSUS		4-10	•	15.	.7	•	• 1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10	1.3
E 18	DIRECTION		1-3	•	6.	•	•	•	•	•	•	0.	•	•	•	•	•	•	•	•	•	•	7	€.
TABLE	(KTS) AND		TOTAL	-	18	19	22	17	7	m	'n	4	0	m	-	3	0	0	O	0	0	0	100	13.2
	SPEED		48+	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
	OF WIND		34-47	°	•	•	•	•	•1	•	• 1		•	• 1	•	•	•	•	•	•	°	•	4	٠,
	FREQ	S	22-33	0	•	•1		₩.	4.	4.	5.	4.	•	e.		•	•	•	•	•	•	•	54	3.2
69	PCT		11-21	•	. 7	1.7	2.2	1.4	4.	·	·	•	·	•	•	•	•	•	•	•	·	•	64	4.9
963-1969			4-10	-	1.3			0	•	•	•	•	0	0	•	0	0	0	0	•	0	•	50	5.6

TOTAL	4	15	58	16	13	4	60	'n	2	0		0	0	0	0	0	0	0	0	16	12.8
4 +	•	0	•	•	•	c.	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
NW 34-47	•	•	9.	0.	•	?	٦.	£.	•1	•	•	•	•	•	•	•	c.	•	•	4	٠.
22-33	0.	•	'n	4.	.7	4.	*.			c.		°	•	•	•	•	•	•	•	21	2.8
11-21	•	6.	5.9	1.3	6.	• 1		m.	·	•	•	•	•	•	•	•	•	•	•	53	7.0
4-10	4.	8	4,	e.	٦.	•	•	•	•	•	0.	0	•	•	•	•	•	•	•	15	2.0
1-3		e.	•	7.	•	•	•	•	•	•	•	•	•	•	•	ô	•	•	•	4	••
TOTAL	m	æ	20	16	13	11	60	80	12	7	0	6	0	0	0	0	0	0	0	104	13.7
48+ TOTAL			•0 50																		
	•	•		•	•	•	•	•	•	•	•	€.	•	°.	•	•	•	•	•	2	e.
<b>48</b>	0.	0.	•	••	•1	•1	.3	•1	.5	• • • • • • • • • • • • • • • • • • • •	0.	.1 .3	0.	0.	0.	0.	0.	0.	0.	31 12 2	1 1.6 .3
-33 34-47 48+	0.	0.	••	. 0. 1,	.5 .1 .0	.5 .1 .0	.3	.9 .1 .0	.9 .5	.0 .3	0.	.0 .1 .3	0. 0.	0.	0.	0. 0.	0. 0. 0.	0.	0.	31 12 2	4.1 1.6 .3
W 22-33 34-47 48+	0.	0. 0. 0. 5.	0. 0. 4.	1.6 .1 .0 .0	.5 .1 .0	.7 .5 .1 .0	.1 .7 .3 .0	0. 1. 6. 0.	.1 .9 .5 .0	0. 6. 0. 0.	0. 0. 0.	.0 .0 .1	0. 0. 0.	0. 0.	0. 0.	0. 0. 0.	0. 0. 0.	0. 0. 0.	0. 0. 0.	39 31 12 2	5.1 4.1 1.6 .3

DUTCH HARBOR 165-172W	
AREA 0008 51-55N	
TABLE 18 (CONT)	
PERIOD: (PRIMARY) (OVER-ALL) 1963-1969	

	TOTAL OBS	17	116	178	155	76	55	33	36	45	01	13	01	-	3	0	0	0	0	0	763	100.0
(FT)	+8+	•	•	•	•	•	•	•	•	6.3	• 1	4.	٠.	•	•	•	0.	•	°.	•	10	1.3
HEIGHT	34-47	•	•	•	ů.		.5	.7	1.3	3.0	1.0		.7	•	•	•	•	•	•	•	65	8.5
VS SEA	22-33	°	•	1.8	3.1	4.5	4.5	2.8	2.6	2.5		٠.	7.		•	٥.	0	•				22.7
(KTS)	11-21	•	4.2	15.7	14.7	7.2	2.1	6.	80		•		•									45.7
SPEED	4-10	1.4	9.6	5.8	2.1	4.	• 1	•	•	0.	•	•	•	•	•	•	•	•	o	•	148	19.4
MIND	0-3	۰.	1.4	•	٠.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	18	5.4
	НСТ	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	<b>87</b> +	TOTAL	PCT

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

MEAN	HG+	00	7	10	11	11	6	7	
TOTAL	186	165	221	140	59	13	15	466	100.0
87+	•	•	•	•	•	0.	•	0	0
71-86					•				
13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	•	•	•	•	•	•	•	0	0
09-64	•	•	•	•	•	•	•	0	•
41-48	•	•	•	•	•	•	•	0	•
33-40	•	•	•	•	•	•	•	0	•
26-32	•	٣.	•	5	.3	•	•	<b>6</b> 0	1.0
23-25	•	6.	5.	7	6	7	•	15	1.9
20-22	•	۰.	• 5	6.	.3	-;	•	20	5.5
17-19	•	•	1.0	1.0	•	•	•	27	3.4
13-16	4.	1.5	2.0	2.5	1.4	4.	•	65	8.1
12	4.	1.6	₩.	1.0	6.	4.	•	40	2.0
10-11	•	1.4	2.1	2.4	۰.	7	۴.	61	7.6
8-8	1.9	1.6	5.5	3.1	1.0	-:	•	106	13.3
7	2.1	3.6	5.9	2.8	4.	٦.	4.	122	15.3
9-6	5.8	5.1	3.6	2.0	1.3	<b>ب</b>	∹:	145	18.1
3-4	7.8	3.0	2.6	1.3	4.	•	•	144	18.0
1-2	4.1	•	-	•	•	•	•	34	4.3
7	6.	-:	•	•	•	•	1:1	12	1.5
PERIOD	(3EC)	6-7	8-9	10-11	12-13	>13	INDET	TOTAL	PCT

BOR		TOTAL OBS	1654	872	1198	938	1293	1023	1617	1328	2033	1338	2002	2058	3275	1773	1921	1367	•	472	26168	100.0
DUTCH HARBOR 165-172W		TENA ND SIG	4.8	2.5	2.9	2.3	3.1	2.3	3.5	3.1	4.7	3.3	4.9	5.8	9.8	5.5	5.7	4.2	*	1.2	18211	9.69
		WEATHER PHENOMENA IDKE DUST NO IAZE BLWG DUST SI BLWG SNOW WE	*	0	*	*	#	•	•	*	*	*	*	*	*	*	#	*	0	*	24	7
AREA 0008 51-55N	N	THER PH DUST BLWG D																				
AREA 51	RECTI		*	*	*	*	*	*	7.	*	7	*	*	*	-:	#	*	*	•	*	174	.7
	IND D	AP OF NATIONAL NATION				.2	*	*	8	.7	1.3	•	1.2	₩.	1.0	4.			0	4.	2640	10.1
	CE BY W	THDR	0	0	•	0	*	•	•	*	•	•	•	*	•	•	*	0.	0.	0		*
	WEATHER OCCURRENCE BY WIND DIRECTION	TOTAL PCPN OBS	306	176	335	569	367	320	454	314	447	261	389	316	442	209	276	192	0	41	5114	
TABLE		PCT FREG PCPN AT OB TIME	1.2	.7	1.3	1.0	1.4	1.2	1.7	1.2	1.7	1.0	1.5	1.2	1.7	۰.	1.1	.7	•	• 5		19.5
	ENCY 0	HAIL	*	*	*	*	•	•	*	*	*	•	*	#	-	*	*	*	•	•	80	e.
	ITAGE FREQUENCY OF	ATION TYPE NOW OTHER FRZN PCPN	*	*	*	•	•	*	*	°.	*	•	•	*	•	#	*	*	•	•	18	.1
	NTAGE	SNOW	9	6	4.	.2	• 5	•1	•5	-	•5	-	• 5	• 5	4.		•5	4.	•	*	1165	4.5
	PERCEN	PRECIPITA FRZG S PCPN	*	•	•	•	*	•	•	•	•	•	•	•	*	•	•	#	•	•	9	*
		DRZL	€.	.2	e.	4.	٠.	*	•	'n		4.	•	4.		. 2	~	-:	•	. 1	1676	4.9
1942-1970 1859-1970		RAIN	*	*	*	*	*	*	*	*	-:		~	-:	•5	7	<b>∵</b>	-:	•	*	285	1.1
1942		RAIN	6.	•2	٠.	4.		æ	6.	9.	æ	• 2	9.	•	•	. 2		2.	•	*	2104	8.0
PERIODI (PRIMARY) (OVER-ALL)		WND DIR	z	NNG	W W	ENE	ш	ESE	SE	SSE	S	SSE	NS.	MSM	3	223	Z	ZZ	VAR	CALM	TOT OBS	TOT PCT
PE																						

PERCENTAGE FREGUENCY OF WEATHER OCCURRENCE BY HOUR

TABLE 2

	TOTAL OBS	7191 6487 6306 6412 26396
	HENA NO SIG WEA	70,6 70.0 72.1 65.8 18386
	DTHER WEATHER PHENDMENA FUG SMOKE DUST NO WD HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	
	R WEATS SHOKE HAZE	87.4047
	FUG MD PCPN	10.2 8.3 11.5 2562
	THDR	****
	TOTAL PCPN 08S	1314 1215 1207 1409 5145
	PCT FREG PCPN AT OB TIME	18.3 19.7 19.1 22.0
	HAIL	~~~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	TYPE OTHER FRZN PCPN	44484
•	SNOW	44. 7.98.1 1.7.1 4.
	PRECIPII FRZG PCPN	***••
	DRZL	7.00 4.00 4.00 4.00 4.00
	SHIN	1.2 1.1 1.1 286 1.1
	RAIN	86.9 8.2 8.4 2118 8.0
	HDUR (GMT)	00503 06509 12515 18521 TOT PCT

-

*

			21		6.5	4 . 4	4.3	3.9	4.6		. 6	6.3	•	11.4	• •	7.7	4.4	•	1.2	100.0												
	œ		18		9.9	4 -	3.5	4.6	3.5	0.4	**	5.1	6.7	9.	6.2	8.3	2.5	* (	0.0	0.0												
	DUTCH HARBOR 165-1724		15		6.		, 60	6.	٥.	ر. د		.2	ۍ د	,0	6	0	5.	0	48 7	-			17	•	8		13.1			۶.	•	1063
	лсн 55-17		_		<b>10</b>	M 4	7	4	4	•	0	3	~ 0	,-		7	2		13	100			18	0.0	8.6	80 (	2.5	5	~ ~	•	G	080
			(GMT)		6.1	m m	3.5	4.4	3.	v 4	8	5.5	, a	13.4	-	7.2	5.3	•	5703	•			15	-	w.	m (			60 H	۰.	4	4
	A 0008		HBUR 09		5.6	6.4	3.9	3.5	2.0	9 4	5.8	4.9		11.5	'	7.9	5.9	•	1074	0.00			~ N				13.0					3 13
	AREA 51		90		6	4 -	10	6	4.	<b>.</b>	0	6.	٠, o	. 00	5	1.2	6	* (	5.3	.0.			12	6	-	8	13.4	<b>S</b>	0 (	V	$\sim$	570
		HOUR	6			o-								_	•				75	10			900 P	•			12.2	3	8 6			1074
		8 ¥	0		•	2.0	5	4	•	å d	-	4	, r	10	7	7.	5	•		100.			90	•	•	•	2.8	•	•	•	2.3	7
		D AND	8		4.9	W 10	3.4	5.4	3.0	0.4	4.6	5.2	20 1	12.1	•	7.9	5.0		7882	00			6	-		-	٦.	<b>→</b>		-		7
		SPEED																		7			0	6	10	6 :	11.7	16.	17.		•	116
		N BY																					8	9.7	8.4	œ -	12.7	5	e c	4	-	7882
		ECT!ON	A	SPD	•		•	•	•	•		•	•		•		•	•	0.7													
JAL	9	DIRECT	Ä	S	15	15	16	16	80 ;	4 5	191	91		9	17	16	16	₹	16		.E 3A											
ANNOAL	TABLE	HIND	PCT	w	6.5	4 4	3.4	4.8	D . C	0 4	7.6	5.1	7.6	12.0	9	7.9	5.1		7.1	0.00	TABLE		MEAN	15.6	15.4	17.0	16.3	16.9	17.0	1.8	•	16.2
		CY OF	TAL	85	092	549	106	561	122	200	460	199	170	868	172	548	099	0 4	389	-			PCT	8.6	8.2	9.	2.7	2.1	7.0	> #	2.1	
		FREQUEN	10	0	2					~ -	7		2 ^			* 2	<b>-</b>		32				u.			-		7	-	•		•
			484		*		*	*			•	*				-	* `	•	176	•			TOTAL Obs	16	65	78	4121	07	200	3	68	æ
		PERCENTAGE	5) 34-47		ů.	.2		ů,				ů.	ų 4	۰		4.		•	1596	4			41+	.1	.1	7.0	2	4.	۳ ر.	. 0		529
		PER	(KNDT			• •		٠, ٥	•	1.3		•			•	•		•	99	50.6			28-40	1.1	•	•	1.4		1.5	• •		3759
	-1970		PEED 1 22		4.0	91	. 4	o 1	n 4	n a		2 (	<b>y</b>	. 0	6	<b>m</b>	<b>~</b> <	<b>.</b>	0	•		`	· > -	<b>6</b> 0	m ·	o 4		-	<b>о</b> с			_
	1942		IND S 11-2		•	<b>:</b>	•	•	•	• •		•			•	•	•	•	1291	35.		6	17-2	•	•	•	ก้	•	•	• •		975
	(PRIHARY)		4-10			1.5		•	•	1.3		•				•	•	٠	83	27.3		2	7-16	•	•		4	•	•	• •		2957
	PP: HA		6		4.0	šř				* ^						4	7 1		100	80			7 9-	•	•	•	- Φ			•	7	œ
	**		0															,	s 22				0	-			•	7	7 -	•		53
	PERIOD		ID DIR		Z	Ž Ž W	ENE	m r	ה ה ה	SSE	S	NSK	E O E	3	3 2 3	Z	Z 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 -	1 08	→ PC			ID OIR	z	y,	ת ע ע	'n	NS	3 Z	VAR		80
			ON N																5	_			N								٥١	

PAGE 304

													TOTAL	1330	707	875	725	1001	7861	1077	1612	1093	1470	1629	1670	1561	1129	•	378	100.0
SOR										(8/4/			NH <5/8 ANY HGT	1.5	.7	6.		, u		0.1	1.6	1.0	1.5	ה ה	0	2.0	1.4	*	4	22.1
DUTCH HARBOR 165-172W										(FT.NH >4/8	N	į	8000+	*	*	*	*	* +		*	*	*	*	H- H	- #	#	#	0	# 0	
0UTC+ 165-1											DIRECTION		6500 8	*	*	*	* 1		- #	*	*	*	* 1		*	*	*	•	* ;	, E.
EA 0008 51-55N										G HEIGHTS	2		5000	*	*	*	* *	* 3	*	*	*	*	* •	-	*	*	*	0	* :	.5
AREA 51			40	0 0		ı m				CEILING	/A / B /		3500	.1	7	7	•	:-	: -	-	•2		2,0	7 4		7	• 5	•	* 0	2.5
		TOTAL OBS	9064			32383			LE 6	10	7		2000	€.	٠,	٠,	*	•	. 4	5	.7	9		1.7	0	1:1	.7	•	2.070	12.0
	R (GMT)	PCT	100.0	100	100.0		100.0		TABLE	FREQUENCY	T T T T T		1999	1.9	1.2	1.4	0		1.5	1.2	1.8	1.2	6 :	3.4		2.1	1.7	•	4.0	
	BY HOUR	MEAN	16.3	16.8	15.7	16.2					CLIRRENCE		009	1.2	9	•	٠,	2 4		1.0	1.4	1.0	1.2	7.4	1.3	1.2	6.	# (	2.5	18.1
4	SPEED B	CALM	1.8	1.8	2.8	685	2.1			PERCENTAGE	ON ON O		300	2.	7.	7.	٠, ۲	, ,	2	6	4.	٠, د			.2	<b>m</b>	2.	* 1	+ 2	. 2
TABLE	WIND S	KN015)	2.4		10	176	£.			PE			150	*	*		~;·	:-	: -	*	٠,	7	٦.		*	٦.	*	0	• [0	1.0
·	40	SPEED (1	4.00	5.1	4.4	1596	4.9						0000	•5	2.	*	*	•	1.0	6.	1.6	6		1.0		٠.	٠ <u>.</u>	· ·	7.7	1.4
	FREQUENCY	WIND 22-33	20.8	21.3	20.0	6667	20.6																							
	ERCENTAGE	11-21	39.2	,	8	91	6			(EIGHTHS)		MEAN	LOUD	•	•	•	•					•	•				•	•	1.0	•
	PER	4-10	27.4	. ,	8	83	7				-		TAL C	33.)	10/	2/2	25	318	184	770	215	293	0 0	684	170	199	129	9	3/6	0
		1-3	0.0	2.7	5.6	1514	4.7		*	AMDUNT	DIRECTION	•	TOT 0	2 1	<b>.</b>	، ۵	,	1	0	7	3		 	. 4	3 1	4	2		C	201
-1970		HOUR	603	3 2	52	5	Ę		TABLE	CLOUD			8 08SC	'n	7	, ,	, ,		4	.6	5	'n,	• 4		9	3,	2.		1214	58
1942		I	000	12	18	-	•		-	OTAL	ON :M A		57	2.1	•	7		•	1.1	•	•	•	•	4.1	•	•	•	•		26.7
(PRIMARY)										9 OF T	60	,	3-4					, ,					, a	1.4		80	•	<b>*</b> C	1649	-
										CT FRE(			0-2	•			. ·	7 -		m	·.	4	t w	100		٠.	٠. د	* -	1410	•
PER 1001										0.			WND DIR	z	N 2			F 5	SE	SSE	S	SSE	202	E 32	IZ	32	ZZ	AA.	CALM OT OB	TOT PCT

AREA 0008 DUTCH HARBOR 51-55N 165-172W
TABLE 7
(PRIMARY) 1942-1970 (DVER-ALL) 1899-1970
PER 100: (PR

ANNOAL

URRENCE (NM)
S OCCI
ANEDU
1 MUL 1
H N
CT FREQ HEIGHT
CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)
CUMUL

	• OR	<u>^</u>	.7	1.2	3.7	15.7	43.3	61.3	65.5	66.5	77.9	16186
	• 0R	>50YD	.,	1.2	3.7	15.7	43.3	61.3	65.5	4.99	77.5	16108
	• 0R	>1/4	.7	1.2	3.7	15.7	43.3	61.2	65.3	66.3	74.9	15564
-	• 0R	>1/2	.7	1.2	3.7	15.7	43.0	60.8	64.8	65.7	711.7	14916
VSBY (NH	* 98	<b>7</b>	9.	1.2	3.6	15.6	42.7	60.1	63.9	64.7	4.69	14436
	• OR	>2	•	1.2	3.6	15.3	41.3	57.5	6009	61.6	6.49	13486
	* OR	<b>^</b> 2	9.	1.1	3.4	13.9	36.0	48.1	50.4	50.8	52.5	10920
	■ OR	>10	5.	٥.	2.3	8.9	21.1	26.4	27.3	27.4	27.7	5759
	CEILING	(FEET)	■ OR >6500	■ DR >5000	■ DR >3500	■ DR >2000	■ DR >1000	■ DR >600	■ DR >300	■ OR >150	- OR > 0	TOTAL

TOTAL NUMBER OF OBS: 20790 PCT

PCT FREQ NH <5/8: 22.1

TABLE 7A PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS) 0 1 2 3 4 5 6 7 8 GBSCD OPS 2.4 2.9 5.7 5.6 5.4 5.8 10.2 12.1 39.6 10.4 21950

		PCT	6.9	32.6 90.6	5.7.9	3.6	25.9	1.9 36.0 37.9
		TOTAL	284 1387 1671	422 515 937	749 713 1462	1432 2204 3636	1722 6764 8486	488 9386 9874 26066 100.0
_		CALM	* 2.4	12	.1 25	4	# m o	466 1.8
DUTCH HARBOR 165-172W		VAR	000	•••	o,#	000	• * →	0#4 0#
о <b>итсн</b> 165-17	PRECIPITATION	X Z Z	* I 0	52 **	1.14		1.5	2.4 655 1366 5.2
AREA 0008 51-55N	PRECIP	ž	* 22	# T #	•1	.3	2.1	3.2 877 1915 7.3
AREA 51	<b>P</b>	Z	* 2.0	99.1	.1.	.5	2.0	3.0 820 1772 6.8
	E OR NON OCCURRENCE OF VISIBILITY	3	.5 155	.1 .2 81	2.6.11	1.1	3.8	5.0 1366 3269 12.5
	SIBILI'	ESE.	* .4 127	6.5	.3	.3 .7 251	2.3	20.8 765 2049 7.9
	CE OR OF VI	MS	.1 6.6 181	.1	.3	324	1.9	2.3 638 1986 7.6
8	DIRECTION VS OCCURRENCE WITH VARYING VALUES OF	MSS	.1 .5 139	.1.65	 84	.3	43.3	1.1 390 1335 5.1
TABLE	VS OC RYING	S	.1 240	.2	135	306	1.9	2.2 614 2024 7.8
	ECTION ITH VA	SSE	*** 116	.1	.2	208	1.2	1.5 1.5 413 1316 5.0
	RIO ONIN	SE	.1.	9.52	.2	303	1.3	1:7 462 1608 6.2
1	-	ESE	1.5	.1.57	• 2 • 1 95	194	334	1.0 268 1023 3.9
	T FREQ	ш	79	.2 .1 69	.1	208	1.1 399	1.6 432 1280 4.9
	PERCENT	ENE	43.1		.1	.3	275	1.1 1.3 366 932 3.6
1942-1970 1899-1970		Ä	4,11	56.1	8 4 1 2	4. 191	1.0 373	1.6 444 1197 4.6
		N. M.	2.1	* * 6	•1	  118	25.	1.1 1.4 373 870 3.3
(PRIMARY) (OVER-ALL)		z	 63	4		.3	1.6	2.8 2.8 758 1652 6.3
PERIODI (PR (DV)			PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL TOTAL PCT
PER		VSBY (NR)	<11/2	1/2<1	1<2	2<5	5<10	÷ c

		P.C.	•	-	2	•	'n	•	•	•	-	-	3.	٠	-		7	'n		•	2.	*	4	13.	-	•	:	13	ċ	32.	(4)	0	4	2	0,		100
		TOTAL	165	621	702	599	1787	42	7	212	401	312	1027	73	367	618	621	1679		247	908	1566	1557	4278	603	376	4647	4157	3087	10290	972	4077	5227		12846		31907
		CALM	.2				19	*	•				12					28		.2				68	4	:				148	1.0	,			319		2.0
HARBOR 2W		VAR	0	•	•	•	0	c	•	•	•	•	0	*	•	•	•	7		•	•	•	•	0	•	• (	•	•	•	<b>→</b>	*	*		•	4	•	o #
DUTCH HARBOR 165-172W		Z Z	*	*	•1	*	43	ç	•	*	*	*	35	*	*	7.	•1	9		*	.,	•2	.2	172	•	• •	*	. 7	٠.	534	.1	oc.			199		1640 5.1
0008 -55N		Z	*	7.	7	*	78	*	٠,	7	~	*	74	*	7.	٦:	7	96			• 5		6.	272	-	• 1		1:1	80	944	.2	1.1	9	a	1196		7.9
AREA 51-	۵	Z Z	*	7		*	61	*	•	*	*	*	46	*	7	7	• 1	84		*	.2	.2	.3	221	•	•	•		9.	108	•1	0		•	1032		2152
	S SPEEI	*	*	•2	.2		166	*	•	:	∹:		89	*	7	.2		131		7		٠.	•	436	·	7.	3	1.7	1.4	1359	.2		7	,	1680		3861 12.1
	VS WIND	MSM	*		• 2	7	131	*	٠.	.1	٦.	٦.	20	*	7	۲.	•2	117		*	•5	.3	4.	583	-	•	•	1.2	٥.	998				•	247		7.6
	TION V	NS	*	.2	6.	٦.	189	•		-	7	*	16	*	٠.	.2	7	143		۲.	۳,	4.	'n	397	-	•	•	0.1	φ.	823	• 2	1-1			957		8.1
٥	DIRECTION ALUES OF VI	MSS	*	7	.2	٠:	144	*	+ +		<b>:</b>	<b>-</b> :	89	*	7.	•1	•1	98		*	•5	٠ <u>.</u>		250	-		•	•	• •	521	•1	.5			553	•	5.1
TABLE	OF WIND	S	*	-5	4.	•	252	*		:	τ:	~;	112	*	٦.	•5	.2	151		*	.2	4.	4.	347	-	•	•	•	. 1	736	.2	0.1	1.0	4	824	•	7.6
	0.7	SE	*	1.	.2	_	7	*			<b>∹</b>	<b>~</b>		*	-:		2.			*		٠.	3		-			•	••	<b>6</b> 0	.1	2	7	. (*	12	•	6.4
	ENT FR	E S		_	2	_	0			<b>.</b>	<b>-</b>	_	80	*	_		7	<b>~</b>		-	7	4		7 2		• •			٥	4	2	7		•	7 5	•	2 4
	PERCI	<u>s</u>	_	•	•	•	16			•	•		ō	-	•		•			•	•	•		35	•	•	•	•	•	9	•	•	•	•	62		6.
		ESE	*		•	• 1	82	*	• •	*	•	•	58	*	*	•	• 5	103		*	-	e,	.3	218	*	٠,		•	4.	386	*	4.			353		3.8
		w	*	7.	7.	7	87	0		•	-:	-:	44	*		₹.	٦.	103		*	•5	£.	.2	235	-	•	•	•	4.	485		. 7	. 7	15	555	1631	4.8
		ENE	*	۲.	*	*	55	0	•		*	٦.	47	*	۲.	<u></u>	٦.	80		*	-:	.2	.2	146	*		•	*	·	326	*	10	9		445		3.4
1970		Ä	*	۲.	*	#	99	*		•	-:	*	28	*	~	7	٦.	100	•	7	.2	7.	ů.	233	7		•	•	*	483	.2	.7	.7	•	598	1530	4.8
1942-1970 1899-1970		N. E.	*	*	*	*	28	*	. 1	٠	*	*	56	•	*	7	*	64		*		•5		145	*	. "	•	•	·	345	٠:	9.	•		470	1040	3.3
(PRIMARY) (OVER-ALL)		z	*	7.	*	#	49	*		•	*		20	*	7.		٠.	80		*	•5	ů.	e.	252	7		•		•	643	.2	1.1	1.2	9	975		6.5
		SPD KTS	0-3	4-10	11-2)	22+	TOTAL	0-3	0119	01	11-21	22+	TOTAL	0-3	4-10	11-51	22+	TOTAL		0-3	4-10	11-21	22+	TOTAL	0-3	01-7		17-11	+77	TOTAL	0-3	4-10	11-21	22+	TOTAL		PCT
PER100:		VSBY		<1/1>					1767.						1<2						2<5					01/8						10+					

									AND/OR	TOTAL	5575	5176	4876	5163	20790
DUTCH HARBOR 165-172W		TOTAL OBS	5665	5241	4939	5228	21073		(NA) HOUR	NH <5/8	22.4	20.0	21.0	19.9	4336
		NH <5/8 TC ANY HGT C	24.5	21.9	23.1 4	21.7	4812 21 22.8 10	12	OF RANGES OF VSBY (FEET, NH >4/8), BY	1000+ AND5+	37.9	36.3	33.5	36.0	7480
AREA 0008 51-55N	AND		10					TABLE	OF RAN	<1000 <5	39.7	43.7	45.5	44.1	8974
	>4/8), AND	TOTAL	75.	78.1	76.9	78.3	16261		FREQ	<b>6</b> 000 <b>6</b> 1	15.6	18.2	20.1	18.4	3750 18.0
	ENCY OF CEILING HEIGHTS (FEET,NH OCCURRENCE OF NH <5/8 BY HOUR	8000	ς.	6	•2	€.	8 u		CUMULATIVE PCT   CEILING	<150 <50YD	<b>∞</b>	11.9	14.6	11.4	2401
	HTS (F	6500 7999	4	4	.3	<b>₹</b>	.3		JMULAT 1	HOUR (GMT)	60300	60390	12615	18621	TOT PCT
10	1G HE 1G NH <5/	5000	•		4	•	112		ช	10	Ü	Ü			
TABLE	CEILIN	3500	3.0	2.6	1.8	2.3	518							_	
	CY DE	2000	12.2	11.7	11.8	11.8	2510			TOTAL OBS	5575	5176	4876	5163	20790
	FREQUENCY DF OCCURREN	1000	27.3	27.9	26.3	27.6	5750 27.3		BY HOUR	10+	6.64	43.6	38.8	43.2	9164
	ENT	666	17.7	18.0	17.3	18,3	3757	_	(KX)	5<10	25.8	59.6	32.4	59.9	6092 29.3
	PERC	300	4.1	4.0	3.8	4.7	876	TABLE 11	VSBY	5<5	11.8	13.4	14.8	13.2	2755 13.3
		150	1.2	6	•	1.1	201	1	FREQUENCY VSBY	1<2	4.4	4.8	4.9	6.	992 2
970 970		000	8.5	11.7	14.4	11.3	2397							3	
1942-1970 1899-1970		HOUR (GMT)	60300	60390	12615	18621	101 PCT		PERCENT	1/2<1	2.5	2.5	2.3	2.3	500
		Τ÷	0	0	1	1				<1/2	5.5	6.0	6.8	4.0	1287
(PRIMARY) (OVER-ALL)										HOUR (CMT)	60300	60390	12615	18621	T07
PER I 301															

		TEMP	VAR	•		•	•	•	*	•	•	•			2	•		HOUR	MEAN	84	96	87	87	96
ند		β	Z	٥		.2		2.9			•				56	12.9		₩.		5.		4.	47.3	77,
ARBOR		CTION	3	*	*	4	2.6	4.7	4.1	4.0	1.2		*	0	S	~		IDITY	90-100					
DUTCH HARBOR 165-172W	4	WIND DIRECTION	N	*	٦.		0.0	3.8	80	0	5.	7	*	0	99	5.9 1	16	/E HUF	80-89	33.9	32.2	32.6	31.5	6513
	TABLE 1		s	*	7	9						*	*	0	9	9 1	TABLE 1	RELATIVE HUMIDITY	64-04	20.0	10.0	14.5	14.8	3309
AREA 0008 51-55N	F	NCY DF	ш			יעו	CI	1 2	T .	· α	· m		#		7	2 12.	F	P					7	
A		FREQUENCY	S		•	•	-	2.	m	m	•	•		•	222	11.		FREQUENCY	69-09	7	5	10	ın i	11
			w	*	-		1.1	. 3	2.5	2.4	₹.		*	•	1709	9.3			30-59	2.0	1.6	1.3	1.3	314
		PERCENT	N H	0	*	•2	80.	1.9	8	2.2	1.1	4.	• 2	*	5	8.5		PERCENT	0-29	•	*	*	o ·	7
			z	*	*	.2	6.	1.9	1.8	2.3	1.7		6.	*	1933	7.6		•	HOUR	0000	60390	12615	18621	TOT
			7 A C	7	·.	3.3	4	22.6	4	5	7.2	2.2	.7	*	100.0									
		4	101AL 68S	18	60	920	2778	7677	4857	5011	1427	441	130	5	19910			HDUR	TOTAL	9042	8161	7064	8143	2410
		TEMP	90-100	*	.2	1.2	6.1	10.3	11.0	10.3	5.8	1:1	ď	*	8635	43.4		9 €	Z	43.7				
		8	80-89	*	•2	1.2	•	7.8			•	5	2.	*	ø	35.6		(DEG F	MIN ME	7	7	9	13 42	2
		HUMIDITY	70-79 80	*	-:	8	•	3.6		•	•	4.	•2	0	297	9.9		TEMP	×	2	2	ıv.	<b>4</b> 1	n
	13		02 69	*	٦.	٠.			.7	0.		2.	*	0	81 3	•		O.	~	7	7	2	7	N
	TABLE	RELATIVE	69-09 69	*	*	*	٠.	.2			.2	*	0	•	2 11	6	15	PERCENTILES	5%	32	31	35	31	35
1942-1970 1999-1970		Y 0F	65-05	ن		*	*			•					7 26		TABLE		20%	55	43	41	45	4
		FREQUENCY	65-05	•	-	•	-	-	•	•	-	-	•	•	4	•		S AND	856	55	40	25	52	U \$
(PRIMARY)			30-39	0	•	•		٥.	*	•	•	•	•		m	*		XTREME	<b>%</b> 66	59	27	22	0 L	'n
		PERCENT	62-0	C.	•	•	*	•	•	•	•	•	•	•	2	*		MEANSJEXTREMES	MAX	69	<b>9</b> .	29	60	0
PERIODS			TEMP F	5/6	9/0	55/59	0/5	5/4	4/0	5/3	6/3	2/5	0/5	172	6	PCT		Σ	HDUR (CMT)	0000	60390	12515	12391	5

00000#00000N#

CALM

TOTAL 085 5740 5160 3899 52010

DUTCH HARBOR 165-172W F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) TEMPERATURE DIFFERENCE (DEG F) AREA 0008 51-55N TOT TABLE AIR TEMPERATURE (DEG VS AIR-SEA 4 PCT FREQ (PRIMARY) 1942-1970 (GVER-ALL) 1899-1970 PERICOS 11110 120/1110 120/1110 120/11110 120/11110 120/11110 120/11110 120/11110 120/11110 AIR-SEA TMP DIF

D D I M	ARV						•	TAGER			Udv	8000	TOTAL	909941
(OVER-	-ALL)	1963-1970	02.				-	TABLE 18			4	1-55N	165-17	72W
			90	T FREG	OF WIND	SPEEÜ	(KTS) A	AND DIRECTION	VERSUS	SEA HE	IGHTS (	(FT)		
				z								N.		
HGT	1-3	4-10	11-21	22-3	34-47	48+	TOTAL	1-3	4-10	11-21	22-33	34-4	48+	TOTAL
<b>~</b> 1		•		•	•	•	9	*		•	•	•	•	6
1-2	7	1.2		•	•	0	-				•	•	•	9
3-4	*	•	•	6.	•	•	5			1.2	£.	•	•	0
5-6	*	•2	1.1		*	•	183	*		•	.2	*	0	136
7		*	•		• 1	•	G	*			4.	*	0	8
œ	•	*	.3	4.		•	~	•	*	•	6	•1	•	50
10-11		*			*	•	31	•	•	*	.2	*	*	27
7		•	*		•1	•	21	•		*	7	•1	•	18
3-1		°.	*			•	23	•		•	.2	7.	*	32
7-1		•			*	•	9				*	*	•	4
6		•	0.	*	*	•	•	•		•	#	*	•	4
3-5		°.		•	*	•	e			•	*	*	•	m
3		•	•	*	•	•	7		•	o,	•	*	•	•
3-4		•		•	•	•	0			•		•	o	0
1-4		•		•	•	•	0	•				•	•	0
9-6		•		•		•	0					•	•	0
1-7		•	•			•	0					•	0	0
1-8		•	•		0.	•	O		•		•		•	0
87		•	•	0		•	0		0	0	0		C	c
DTAL	30	298	427	215	51	0	0	17	194	344	179	43		779
7		•	4.2	2.1		0.	10.1		0	7.6	~		*	
		)	•	•	)			!	•	•	•	•	•	•
				,										
-		•		,								SE		
	-1	01-5	11-21	22-33	34-41	+8+	TOTAL	1-3	4-10		22-33	4-4	48+	TOTAL
→	-	•	·	•	•	•	3	₹.	4.	•	°.	•	0.	55
1-2		1.0		•	•	•	188	•	€.	•		•	•	177
	*	•	1.2	• 5		•	O.	•		1.4	4.	•	•	4
•	•	•2	•	4.		•	7	•	.3	•		*	•	5
~	·	*	4.	6.		*	82	•		6.	₩.	*	•	8
8-9	o.	•	e.	€.		•	69	•		.2			•	~
10-11	•	*	•1	6.		•	53	•	•	•1	4.	•2	•	1
12	•	*	•1	•1		•	35	•		•		• 1	*	33
3-1	c.	°.	•	•2	4.	*	62	•	•	•1	• 2	7.	•	38
7-1	•		*	*	•	*	15	•		•		*	•	*
0-2	•	•	*	*	•1	*	11	•		•	*	*	0	14
3-5	•	0	•	*	*	*	2	•		•	*	*	•	M
6-3		•		•	•	*	1	0		0	0	0.	C	c
3-4		•				•	0			0			C	c
4		•	0				0							• •
9-6							0							•
1-7							· C						•	•
-							c						•	•
+							•		•				•	•
		. 0	. 0	• 0	• 0	2	4	•	• 4	• 6	• •		•	0
1 1 1 0	9 6	2 2	200	142	001	2 -	7 0	87	747	160	339	00		1611
		•	•	•	•	•	•	7.	•	•	•	•	*	:

	JADANA		
RIMARY)		AREA 0008 DUTCH	DUTCH
IVER-ALL) 1963-1970	TABLE 18	31 - 55 N	165-17

																									GRAND			• •	0	. 00	5	m	~	O 1	• ;	t 4	(E)	0	0	0	0	0		*0101	•
	HARBOR 2W		TOTAL		<b>~</b>	-	312	3	S	87	64	2.	12	6		15	0	0	0	0	0	¥	15.4		TOTAL	4	. (4)	314	•	3	0	^	36	4	* <	• ^	· (4)	0	0	0	0	0		12.4	j
	DUTCH + 165-172		4	•	0				o.		*	# 1	*	*	*	*						•	3 7		<b>48</b>	0.	0	•	0	•				•		*	0		•	•	•		o ,	- •	٠
	A 0008	FT)	SW 34-47	•	0		*	*	-					*	*			•					) æ	X	34-47	•	C	0	*	• 1	e-d A	.1		-:1	ł	*	*	•	•	•	•	0.	0.1	2 4	•
	ARE 5	IGHTS (	22-33	•	•						7.	4.				*	، د	•	c.	•	•	• -	4.1		22-33	•	0			80.			7.		- 1	*	*	°.	•	•	o ·	•	• 0	200	•
		SEA HE	11-21	•	•	•	2.0	•	•	;	•	- ·	<b>W</b>	•	•	•	•	•	•	•	•	• 0	0.0		11-21	•		1.7	•		6.	•2	*	* 1	• •	•	•	•	•	•	0	•	• 1		•
		VERSUS	<b>6-1</b> 0	•	1:1	•	4.	:	*	*	₩ .	# 0	•	•	•	•	•	•	•	•	•	• (	3.5		4-10	6	•	1.1			*	*	0	0 1	• •	•	•	•	°.	o,	o.	0.	. (	י ה כי ה	•
NNCAL	LE 18	DIRECTION	1-3			7.	o.	2		•			•	•	•	•						٠, د د			1-3	•1	*	*	*	•	o.			•					•				0.0	10	,
ZZY	TAB	(KTS) AND	TOTAL		231	291	228	707	, v	90 W	<b>0</b> :	*	: ٥	<b>1</b> '	7	<b></b>	0	0 (	<b>&gt;</b> (	0 (	0 0	C	12.7		TOTAL	93	313	437	416	290	184	122	62	<b>3</b> C	3 =	13	٥	0	0	0	9 0	<b>&gt;</b>	C	20.4	•
		SPEED	484		•									•		•		•		o c			• *		+8+	•		•		•		*	*		•	*			0			•	? =	: :	,
		OF WIND	34-47	•	0	•	* 1	•		:1	<b>#</b> (	7 3	٠.	•	•	•	9	o.	•	o c	•	2.7	٠		24-47	•	•	•	*	• 1	•1	• 5	•1	7-	•	: :	*		•	0	o c		• 0	1.0	•
		T FREG	S 22-33	•	•								1	• •	• (	•	•	•	•	•	•	• 0	9.0		22-33						•			o -		*	*						• 0	6.4	•
	40	PC	11-21	•	•	•		•			• •	* *		•		ė.		•				• 1	9.0		11-21		•			•				•									• 4	7.6	
	1963-1970				1.3		* -		+ 1			•		•								• ~	3.1		4-10	80	•	1.4			*	#	* (					•						4.0	
	IMARY) ER-ALL)		1-3																				6		1-3			7	*															4	
1	DI (PRI		HGT	-4	1-2	•		- 1	100	0	9 7		10	3 - 6	7	יי פיי	1	1	100	1	014	- ا-	PCT		HGT	-		3-4		~	8-0		7,	1.0	0-2	3-2	6-9		1-4	0,	7	0 1	٠ ٢-	PCT	٠

3 DUTCH HARBOR 165-172W																							
AREA 0008 51-55N																							
		TOTAL	625	1756	2268	1999	1381	850	530	279	397	44	49	77	33	0	0	0	0	0	0	10300	100.0
	(FT)	+8+	•	•	•	•	*	•	*	۲.		*	*	7		•	•	•	•	•	•	41	4
( )	HE I GHT	24-47	•	•	•	e.	4.	₩,	8.	.7	1.4	€.	ų,	.2	.2	•	•	•	•	c.	0.	557	5.4
TABLE 18 (CONT)	VS 5EA	22-33	•	•	2.3	4.0	5.4	4.5	3.2	1.5	2.1	6	.2	۲.		°.	•	•	•	0	0	4	23.7
TABLE	(KTS)	11-21	•	7.2	12.3	12.5	6.9	2.8	1.1	4.	6.	*	*	•	•	•	•	•	•	•	•	4484	43.5
	SPEED	01-4	3.5	0.6	7.1	2.5	۲.	.2	•1	*	*	*	•	0.	•	•	•	•	•	•	•	m	23.2
	NIN	0-3	5.6	۳.	4.	٦.	*	•	•	•	•	•	•	٥.	•	•	•	•	•	•	0	395	3.8
		НСТ	Ç	1-2	3-4	9-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-92	33-40	41-48	09-64	61-70	71-86	87+	TOTAL	PCT
1963-1970																							
(PRIMARY) (DVER-ALL) 1963-1970																							
PER 1001																							

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

TABLE 19

MEAN	*	•	0	10	12	14	0	٥	
TOTAL	3376	3485	2310	1072	359	149	654	11405	100.0
87+	•	•	•	•	•	•	•	0	•
71-86	•	0	•	•	•	•	•	0	•
61-70	•	•	•	•	•	•	•	0	•
49-60 61-70 71-86	•	•	•	•	•	•	•	0	o.
41-48	•	•	•	•	•	•	•	0	•
33-40	•	•	•	•	•	•	•	0	•
26-32	•	*	۲.	•2	•5	۲.	•	99	•
23-25	•		-:	-	٠.	*	*	67	•
20-22	•	•5	• 5	6	•5	-:	•	118	1.0
17-19	*	4	4.	4.	۲.	*	•	152	1.3
13-16 17-19	.2	1.6	1.7	1.3	•	4	*	657	5.8
	ů.	1.0	1:1	æ	e.	• 5	*	427	3.7
10-11	€.	2.5	2.2	1.4	9.	7.	#	838	7.3
6-8	1.5	3.3	3.6	2.7	•	-:	#	1282	11.2
7	5.6	6.3	5.5	1.5	.2	• 5	٦.	1861	16.3
2-6	6.1	8.8	3.4	Φ.	.2	*		2207	19.4
3-4	10.1	2.6	1.7	5	•1	•	*	2055	18.0
1-2	7.0	1:0	6	7	•	•	*	958	
₹	6	*	•	•	•	•	7.4	717	6.3
PERIOD (SEC)	\$	4-9	6-8	10-11	12-13	<b>&gt;13</b>	INDET	TOTAL	PC1

1944-1970	
PERIOD: (PRIMARY) 1944-1970 (OVER-ALL) 1901-1970	
PER 1001	

21	(HB)
TABLE	PRESSURE

	æ	12	90	13	13	12	12	00	31	18	12	00	15			
	OA	22	60	05	28	30	02	01	27	56	21	15	90			
	YEAR	1966	1942	1965	1930	1952	1965	1936	1956	1968	1959	1968	1959			
IES	Z	958	959	960	696	971	972	986	980	996	965	959	956			
EXTREMES	¥	12	12	90	00	12	90	21	12	90	12	60	90			
ũ	DA	9	90	90	22	20	19	30	90	03	60	12	27			
	YEAR	1962	1922	1966	1967	1964	1953	1961	1960	1964	1961	1950	1965			
	MAX	1040	1044	1039	1044	1044	1039	1038	1038	1036	1038	1045	1048			
14101	085	2239	2416	2513	2705	2918	3098	3439	3003	2670	2271	1747	1983	31002		
	MEAN	1001	1001	101	1012	101	1012	1016	1013	1009	1006	1003	1002	1009		
	2100	1004	1004	1012	1012	1009	1014	1015	1011	1001	1005	866	1000	1008	1048	
_	1800	1000	1001	1010	1012	1012	1012	1016	1013	1008	1006	1004	1002	1009	6791	
R (GMT)	1500	1002	1002	1012	1010	1010	1013	1015	1013	1008	1003	1000	1001	1008	1209	
BY HOUR	1200	1002	1002	1011	1013	1012	1013	1017	1013	1009	1006	1005	1003	1010	5520	
ERAGE	0000	1003	1002	1012	1010	1008	1013	1016	1012	1009	1004	1000	666	1008	1073	
AV	0090	1000	1000	101	1012	101	1012	1016	1013	1009	1006	1004	1003	1009	4114	
	0300	1004	1005	1013	1010	1013	1014	1017	1014	1001	1002	1000	1000	1009	1025	
	0000	1001	1000	1010	1012	1011	1012	1016	:013	1009	1006	1003	1002	1009	7562	
	2	Z Y 7	FEB	MAR	APR	¥	200	105	AUG	SEP	20	>ON	DEC	ZZ	088	

*66	10091 10091 10092 10092 10092 10092 10092
95%	1028 1028 1031 1031 1028 1027 1027 1026 1030
75%	1014 1012 1021 1020 1022 1022 1017 1018
50%	10001 1012 1012 1012 1017 1010 1000 1000
25%	989 10002 10004 10003 10007 10001 10001 9997
5%	974 986 986 990 1001 995 987 977
1%	9000 9000 9000 9000 9000 9000 9000 900
ě	DNO SACCAPARBY BCCCAPARBY CCCAPARBY
	x 5x 25x 50x 75x 95x 99

		7075. 085	5.5	52	65	94	in (	35	104	7 (	* c	1 4	4	6	, 4 , 4	, r.	31	0	7	198	D	100.0				TOTAL	082	236	767	203	170	1000	3
-180W		E TO A	3.9	3.6	4.5	9.0	0.0	2.0	0 0	, r	0.0	7	9	0	4	7	2.9		•	744		4.69			MENA	0	n 3	55.5	•	•		64.	•
3009 ADA 5N 172	z	SMOKE DUST NEW HAZE BLWG DUST SHOWN WE BLWG SHOWN WE WASHING SHOWN WE WASH	•	0.	•	0.	•	•	0.0	•	•	9 9	•				C			•	>	ō			THER PHENOMEN	E DUST	BLWG DUST	o o	•	o c	•	<b>,</b>	•
AREA (	DIRECTION	R WEAT SMOKE HAZE		•		•		•	•		9 9	•			•	9	?	9 6	•	• •	17	2.4		HOUR	ER WE	SMOK	HAZE	4.5	7.7	•	0:7	7,6	- 1
	WIND DI	R FOG SI	•	2	•	•	'n	7	7.0	•				-				9	•		26	3.7		₽	I	90	PCPN	5.1	9 (		1.0	3.7	,
	₩	THOR	0		0	0	•	•	0	0.	•		•		•	•	2 9		•	•	>	•		OCCURRENCE		THOR	1 N	٠. د	•		•	<b>&gt;</b>	:
-	DCCURRENCE	TOTAL PCPN 08S	20	19	20	13	96	4	36	<b>*</b> :	10	, 4	1 4 7		9 4		1 4	) C	·	1 7 6	707		.E 2	WEATHER DO		TOTAL	PCPN OBS	<b>89</b> 4	) ( )	75	2,40	107	
TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME			2.3		•	•	•	•		•	•	•	•	7.1	•		•	•		30.4	TABLE	<b>→</b>		T FRE	DE TIME	35.2	-	10	•	30.8	5
	ENCY DF	HAIL	.2		0	•	•	7	7	•	9 4	. "	, ,	-	: -	•		•	•	2 5	→	1.6		FREQUENC		HAIL		٥. د	•	0.4	• -	1 6	•
	FREQUENCY	TYPE OTHER FRZN PCPN	0	0	•	0	•	0	•	•	- 0	•		•				•	•	•	<b>→</b>	•1		ERCENTAGE		$\mathbf{r}$	PCPN	o c		o r		-4	•
	ENTAGE	SNOW	1.9		1.7	•	•	•	1.5	٠.	-	• a	0 00	4	•		•		•	• <	7	16.7		PERCE	TATION	NONS		19.5	Φ (	$\sim$ $_{\rm o}$	ο-	141	-
	PERCI	RECIPI FRZG PCPN	0	0	0		•	•			•		9		•	•			•	•	>	•			RECI	FRZG	Δ.	o.		9		<b>O</b>	•
		PI	0		<b>.</b>	•	1.0	•			•		• ·		•	•			•	) ×	40	6.3			Δ	DRZL		7.6	0	w.	0	40	) 1
943-1970		RAIN	0	0	0	0	•	→ '	7.	•		•	•	• -	•	•	9		•	•	D	٠.				RAIN	SHWR			•		0 1	
~~		RAIN	25		. ci	• 5	6.	•	1.3	۰	ů	•				• "	9		•	• 1	20	6.5				RAIN		7.2	0.	10	- 5	7.7	
(PRIMARY) (OVER-ALL)		WND DIR	Z	N N	N.	ENE	ш '	ESE	S	SSE	N V	1000	3 7		. 2	2 2	2 2	2 4 >	( 1 1 -		<b>-</b>	7 PC				HOUR	(GMT)	60300	60390	12615	12381	101	- - -
PERIODI																																	

		21		•	•	•	6	d		, (	2							•			0.	^															
		18		•	•	80	9	00	0	00	7.2			5.4			'n				9.	O	0		21		.7		2	.2	,2	5	-	6		0 t	
1 80 E		15		•	5	•	7	•	•	•		•			•		2		7.5		0				18		9	20	91 9	.1 16.	8	2 14	ю •	9		<b>\$</b> -	,
9 ADA 172		(GMT) 12		•	•	•	•			•	9		•				•	•	•		1.1	Q.	•		15		0	2	5 9	ø	5 10	01	91.	21 6		-	•
EA 000		HOUR 09		•	Š	2	4	2	•	4	2		•	7.0			•	•	•		1.1	œ	•		T)		.2	.1 2	6.	.5 17	•	•		٠ •	•	. 0	٠
AR 5	HOUR	95		•	•	•	•							6.2		•	•		•	•	1.0	0	•		W2 (GM		.3 1	1 1	9.	۰	8.	2.	· ·	CT	- -	1 -	•
	8 ≺	60		'n.	•	-	•	•	7.7	•		•	11.5	•	•	11.5	٠	•	•	0.	•	~	100.0		0 90		4	1 1	5 1	.0 16	m c	, o	<b>-</b>	0 0	o c		
	ED AND	00		•	0	•	5	•	4	•	9	•	•	5.0	•	•	•	•	•	•	1.8	34	100.0		03		.4 1	.4	.4	.8 14	41	•	<b>.</b>	ņ (	<b>.</b>	26	,
	BY SPE																								00		.3 1	.5 1	.4 1	9.	7.			1	•	• 4	
	CTION	ZQ		٠,	۰	-4	n		~	0	0	C.	7	_	5	9	00	0	•	0	0	80								14		3 ;		•	-	1 (1)	
BLE 3	ND DIRE	A ME/		\ .	7	8 7	21	18	20	20	21	15	16	13	1.8	8	17	14	15	•		17	0	BLE 3A	z		_				۰.						
TAE	OF WIR	L PREC	•	•	<b>်</b> (	6	4	10.	m	11.	4	η,	'n	•	4	6	٠	٠.	4	•			100	TAE	MEA	7	18.	19.	18.	20.5	9.	1 .		•	•	17.	
	QUENCY	TOTAL OBS		0 0	Ø,	13	Ð	133	4	15]	9	3	7.5	80	9	150	75	š	5	•	2	131			PCT	IJ.	2.	4	ë	16.0	œ <i>.</i>	• •	i	•		•	
	E FRE	484	•	•										.2		₹.						13			TOTAL	0	Ð	0	æ	211	<b>~</b> <	* 4	oς	V		1317	
	RCENTAG	TS) 34-47	•	0 (		•	•	φ.		1.4				• 2		.7			.2	•			7.5		41+		4.	w.	5.	1,3	~ "	ņ	4 6		•	40	
970 970	PE	22-33		•	•	٠	•		•	•		•		Φ.		•						296	•		KN075)		•	•	•	7°2	•	•	•	• -		200	
1943-19 1901-19		ND SPEE 11-21		•	٠	•	•	•		•	•	•	•	1.5	•	•	•	7.6	•	•		785	•		SPEED ( 17-27		•	•	•	5.7	•	•	•	•		391	
ARY) -ALL)		4-10		•		•	•						•	3°0	•	•	•	•	•		,	202	•		7-16			•	•	2,0	•	•		•		493	
(PRIM		0-3		• (																•	5.7	0			9-0		•	•	•	<b>4</b> · ·	•	•	•	•		193	
PER1001		WND DIR	1			Z :		w	ESE	S		S		3		3		Z:	Z	5	CALM	- 1	7		WND DIR		z	W Z	m (	n c	, i	: ה	3 2	. •	AL	TOT 085	

															TOTAL	36	40	9 6		) (	27	4	31	22	30	27	0 0	76	78	0	4	100.0
												>4/8)			NH <5/8 ANY HGT	1.3	1.0	 	•	7.7			1.2	2.0	2.5	۲•٥ ۲•٥	3	100	1,2	•	6.1	29.7
-180₩												(FT.NH >	ION		8000+	•	•	o o	•	•	•	0	ô	•	•	9 0	•	, ,		•	•	٠.
ADAK 172-													DIRECTION		7999	0	.2	o c	•	•		• 5	0	•	•	•	•	•	0	•	0,	
IREA 0009 51-55N												G HE1G	MIND		5000 6499	•	0	0 0	•	•	2	• 5	•	0	0,0	•	9 0	0	0	•	o,	, w.
ARE 51		A L	89	380	30	39	17					CEILING HEIGHTS	<5/8 8Y		3500 4999	•	ů,	0, 0	•		. "	6	.2	•	0,0			m	.2	•	0,5	2.0
	2	TOTAL OBS					-	_		TABLE 6		9	Z		2000 3499	•2	1.2		•		11.	ē.	e.						.3	•	2,4	11.11
	JR (GHT)	PCT FREQ		100.0				100.0		TA		PERCENTAGE FREQUENCY	NCE OF		1000	1.7	2.7	2.0	,	7.7	3.5	2.2	1.3		<b>*</b>		2.0	2.4	1.5	•	1,2	27.7
	BY HOUR	MEAN		17.6								AGE FR	OCCURRENCE		666	1.3	œ (	1.3		2.5	1.0	1.0	œ.		ښ د د	1.5		1.2	1.0	•	0.0	14.7
4	SPEED	CALM	1.6									ERCENT	AND		300 599	•	0,	•	1 K	9	1.3	5.	• 5	0	٠, c	. `		0	• 5	•	0 4	4.5
TABLE	QN J 🤄	(KNDTS)	1.4									α.		-	150	.2	2.	0 0	• •		2	•	2.	•	0,0	2 0	•	0	.2	•	0.4	1.0
		SPE . y 34-47	9.5	9.9	8	5.9	66	7.5							149	1.3	e, (	0,1			5	1.5	1.0		.2				• 5	•	0.7	7.9
	FREQUEN	WIND 22-33	24.2	21.3	22.2	22.1	296	22.5																								
	PERCENTAGE	11-21	32.3	7	2	9	<b>4</b> 8					(EIGHTHS)		MEAN	DVER		•			•		•	•	•		6.4		•	•	•	5. 6. 6. 6.	•
	PER	4-10	27.4	27.1	•	0	36	•							UIAL C	36	0 0	9 6	27	16	57	40	16	77	0 6	63	32	37	28	0	404	0
00		1-3	3.5	•	•		4	3.3		<b>*</b>		D AMBUNT	RECTION	•	_	ı, ı	٠, ٥	. •0	3	0	.7	~ 0	<b>N</b> 10	10	. 0	5	2.	.2	ır,	٠,	22	.9 10
943-1970		HOUR	60300	39	32	38	101	PCT		TABLE			WIND DI	,	0880	_	<b>7 8</b>	. «		_	7	m r	<b>n</b> r	<b>.</b>		~	2	6	۲.	0 (	27	4
			J		<b>-</b>	_					į	TUTAL	BY W	•	<u>,</u>	8		Ŋ	-		-		1	•	• -	•	2	7	2	•		31
(PRIMARY)												EQ UF		•	•	•	•	• •	•	•	•	•	•-	•	1,	4	1.	•	•	•	• ~	13.
											,	7			0	2,	. a		1.2		•		• •	•	1.0	•			•	3 (	20	6.6
PER 1001											•	-		4		Z	2 2 2 2	. W.	u	ESE	SE	SSE	กเ	E 30	303	*	323	Z	X Z	Y A K	CALM OT OB	TOT PCT

1943-1970	1901-1470
(PRIMARY)	(DVER-ALL)
 TONE YEAR	

ADAK 172-180W	
AREA 0009 51-55N	
TABLE 7	CUMULATIVE PCT FREQ OF SIMULTANEDUS OCCURRENCE

JANUARY

CEILING = OR = O			
EILING = OR = O		# 8 \$	146 W 4 U W W U U W U U U W U U U U U U U U
EILING # OR # O		■ 0R >50YD	10000000000000000000000000000000000000
EILING = OR = O		= DR >1/4	11.27 1.50 1.50 1.50 1.50 6.50 1.70 1.20 1.20
EILING = OR = OR = OR   EILING HEIGHT   FEET   > 10   > 5   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2	_	- OR >1/2	46.1.000
EILING = OR = OR = OR   EILING HEIGHT   FEET   > 10   > 5   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2   > 2		VSBY (NM) # OR >1	11.00 61.00 61.00 61.00 61.00
EILING = DR FEET) > 10 > 5500 8 > 5000 1.2 > 2000 26.2 > 5000 32.3 > 500 34.7 > 150 34.7 > 150 34.7 > 150 34.7			
EILING = DR FEET) > 10 > 5500 8 > 5000 1.2 > 2000 26.2 > 5000 32.3 > 500 34.7 > 150 34.7 > 150 34.7 > 150 34.7	CELLING	• 08 V5	4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -
CEILING (FET)  CEILING (FET)  CEET)  CEET)  CEET)  CEET)  CEETO  CEETO  COMBON   5	* DR	8 2 4 4 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	
		CEILING (FEET)	

TCTAL NUMBER OF DBS: 591

PCT FREQ NH <5/8: 29.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL	628
OBSCD	7.0
60	30.9
~	11.3
•	13.5
80	7.8
4	8.1
m	8.0
7	5.9
-	0.4
0	3.5

		_	01-0-00		m m -1	10.0-4	m 0 b	-1 60 10	•
		PCT	1.2	2.5 9.9 9.9	ω -ι τυ - το -ι	8.4 1.6 1.6	9.8 23.0 32.7	4.139.3	100.0
		TOTAL	10 5 15	22 11 33	32 11 43	72 39 111	83 195 278	35 334 369	849
		CALM	000	000	000	•••		0.00	9.7.
3 0		VAR	000	000	000	000	000	000	00
ADAK 172-180W	PRECIPITATION	Z Z	000	404	•••	0,00	1.1	1.6 1.6	3.7
	RECIPI	3	000	000	0.1.1	4.4.20	1.3	2.1	5.2
AREA 0009 51-55N	F 0F	3	•••	101	•••	-0-1	1.95	2.1	35
	NON GCCURRENC SIBILITY	3	200	0.1.1	NO4	4.0.00	2.7	 N m N	90
	IBILIT	M S M	000	v 0 4	1001	240	12.6	2.0	43 5.1
	8 ×	N.	4.4	404	4.iw	10 4 10	1.35	2.0	4 ° 12 W
<b>6</b> 0	ON VS OCCURRENCE VARYING VALUES OF	MSS	0:-	000	.04	4 0 w	9.62	1.8	32
TABLE	VS DCC	S	0-1-1	448	.0.1	היים	4.1	1.8	4.9
	H	SSE	-0-	0,40	440	L40	1.6	2.0	52
	ID DIRECT	SE	440	200	10.0	1.9	2.7	9.0	100
	ONIW 40	ESE	000	NON	200	00m	1.9	1.2	33
	FREQ	ш	0.1.1	444	<b>n</b> .04	1.1	1.6 2.0 31	4.66	9.8
	PERCENT	E N	-0-	0 11 10	W 0 4	7.72	1.4	2.1 2.1 21	£.
1970		Z W	000	707	0111	8.5.1	2.7	2.4	62
1943-1970 1901-1970		N N	000	000	51.6	71.0		2.9	52 6.1
(PRIMARY) (OVER-ALL)		z	400	404	0,40	6040		2.88	54
			PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL
PER100#		VSBY		1/2<1 N	1 × P	2 × 5	5<10 N	4 0 1	F

		PCT	- www.4		01016 01016	W404 NG-10N	1.0 6.0 10.6 111.0	2.5 13.7 18.8 9.7	100.0
		TOTAL	197481	21 1 8 1 2 P 2 P 3 P 4 P 4 P 4 P 4 P 4 P 4 P 4 P 4 P 4	22.3 24.4 81.4	50 52 77 185	13 13 141 366	32 175 240 124 571	1277 1
		CALM	• •	• •			w 4	13	19
3.0		VAR	00000	00000	00000	00000	00000	00000	00
ADAK 172-1		Z Z	00000	0 2 7 7 7 7	00000	00444	7,4840	2.000	\$ . 4 8 . 4
0009 55N		Z	00000	40044	001114	0,4,4,0	N 4 W O W	1.1	65 5.1
AREA 51-	ED	Z	00000	00044	1000-	10114	0 4444	00004	4 * 6 4 * 4
	ND SPE	3	04400	0,001,0	0,000	0 0 0 0 4 0	1	3.96.71	117
	VS WIL	N N	-000-	0,444	01100	16672	20000		65
	ECTION S OF V	NS.	01000	00.00	11148	10148	なてららき	1 4 4 6 0 8	82
	ND DIR	MSS	00777	01017	00404	0444	00400	75778	3.4
1A8	OF WIR	S	04004	0.10.10	0444	075.70	00000	 	61
	FREO TH V	SSE	00.00	0.1.00	04400	10.50	04000	0 6 4 7 0	4 . A
	PERCENT	SE	701.10	00000	0 0 0 0 0 0	 	000000	11	145
	•	ESE	00000	00044	00000	00047	04000	0 7 6 7 9	9.6 9.8
		ш	0	021114	7,,,,,	10664	1.071	00004	128
		ENE	000.	00000	0,770	00110	04.00	0 0 0 0 0 0	65
-1970 -1970		N N	00000	01004	0,6,6,6	04004	00004	1.17	122
1943- ) 1901-		N	00000	01108	04004	10.150	1.5.4.4		6.3
IMARY) ER-ALL)		z	00014	04404	0,7,7,0	11.50	011.69	 	6.7
RIODI (PRI		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
PERI		VSBY	<11/2	1/2<1	142	2<5	5<10	10+	

JANUARY

ADAK 172-180W		TOTAL OBS	155	168	143	140	606
AREA 0009 51-55N	Q	NH <5/8	23.9	30.4	35.0	33.6	185
AR	A (8) 4	TOTAL	76.1	9.69	65.0	4.99	421
	PERCENT FREQUENCY OF CEILING MEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	8000+	0.	1.8	.7	•	41.
	ENCY OF CEILING MEIGHTS (FEET OCCURRENCE OF NH <5/8 BY HOUR	6500	1.3	?	7.	۲.	41.
10	, HE I G	5000	•	•	.7	•	0 e
TABLE 10	EILING	3500	1.9	5.4	.7	5.9	12 2.0
	CY OF C	2000	14.2	11.3	12.6	7.1	69
	REQUENO	1000	27.1	28.0	27.3	26.4	165 27.2
	ENT F	666	17.4	16.1	8.6	13.6	87
	PER	300	4,5	3.0	3.5	5.7	25
		150	1.9	•	1.4	.7	1.0
970		000	7.7	6.5	7.7	9.0	7.8
1943-19 1901-19		HOUR (GMT)	60700	60390	12615	18821	TOT PCT
PERIOD: (PRIMARY) 1943-1970 (OVER-ALL) 1901-1970				-	-		
PERIOD:							

	AND/OR	TOTAL OBS	148	167	140	136	591
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY MOUR	1000+ NH <5/8 AND5+ AND 5+	20.9	29.9	32.9	30.9	169
12	GES OF NH >4/8	1000+ AND5+	43.9	38.9	40.7	34.6	234
TABLE 12	OF RAN	<600 <1000 <1 <5	00003 7.4 14.2 35.1	6.6 9.6 31.1	12.1 26.4	16.9 34.6	77 188 13.0 31.8
	FREQ	<b>6600</b>	14.2	9.6	12.1	16.9	13.0
	IVE PCT	<150 <50YD	7.4	9.9	7.9	10.3	47
	CUMULAT	HOUR (GMT)	60300	60390	12815	18621	101 PC1
		TOTAL OBS	148	167	140	136	591 100.0
	3Y HOUR	10+	23.6 58.8	56.9	0.09	55.1	341
4	(NM)	5<10	23.6	28.7	28.6	33.1	168
TABLE 11	CY VSBY	5<5	9.5	10.8	9	5.1	8.8 8.8
	FREQUEN	1<2	3.4	2.4	1.4	5.9	15
	PERCENT FREQUENCY VSBY (NM) BY HOUR	1/2<1	2.7	•	.7	5.9	10
	Δ.	<1/5	2.0	9.	0	.7	iv eo
		HOUR (GMT)	60300	60390	12615	18621	T01

1943-1970	1901-1970
(PRIMARY)	(DVER-ALL)
PERIODI	

			_	_				. ~	. ~		. ~
			CALM	-				· m	•	-	_
		A D	VAR	0	0	9	9	0	0	0	0
		PERCENT FREQUENCY OF WIND DIRECTION BY TEMP	Z	1,	3	6.3	4.5	7	0	66	10.0
MO		ECT 101	3	7		4.9	0.4	0	7	121	12.3
ADAK 172-180W	14	ND DIR	SE	0	7.	9	3.7	0	•	106	10.8
	TABLE 14	OF WI	S	3	2.6	4.2		7	0	84	8.5
AREA 0009 51-55N		DUENCY	SE	4	5.9	7.9	2.	: -	•	153	15.5
		IT FRE	ш								
		PERCEN	N E					1.5			
			z					2.5			
		,	FRED	1.5	17.4	48.5	26.1	0.9	5.	0.00	
			08S					29			
		TEMP	001-00	٠,	10.0	22.3	10.5	3.3	•2	463	47.0
		TY BY	68-01	6	3.5	13.1	11.1	1.1	• 5	588	29.3
		HUMID	8 64-0	i,	2.1	6.3	5.4	6.	٠.	122	12.4
	TABLE 13	ATIVE	69-0	.1	1.0	5.1	1.1	• 5	•	11	7.8
970 970	TAB	OF REL	0-59 6	.1	5	1.3	6.	-;	٥.	59	5.9
1943-1970 1901-1970		UENCY	0-49 5	•	.2	'n.	•	•	•	S	٠,
ARY) -ALL)		T FREG	9 66-0	•	o,	۲.	•	•	•		٦.
(PRIMARY) (OVER-ALL)		PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100	•	•	•	<u>.</u>	•	•	0	•
1001		_	u.	0.	4	0	4	D.	4	بِ	

P. RIDD! (PRIMARY) 1943-1970 (DVER-ALL) 1901-1970

TABLE 17

AREA 0009 ADAK 51-55N 172-180W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

FOG	
¥0.	000-4-6-4-6-0
101	1001 1001 1001 1001 1001 1001 1001 100
4 4	7,000,000,000,000,000
144	101.00000000000000000000000000000000000
37	372 11 22 W 6 4 4 11 11 12 12 W 6 4 4 12 12 12 12 12 12 12 12 12 12 12 12 12
99	
32	
25	2
21 24	000000000000000000000000000000000000000
AIR-SEA TMP DIF	9/10 7/8 6 6 7/8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

PERIOD

JANUARY

	3			TOTAL		7	<b>o</b>	m (	e	<b>→</b> (	71	<b>N</b>	<b>&gt;</b> <	• •	• 0	-	0	0	9	0	0	0	2	11.5		TOTAL	0	71	n <u>s</u>	3 4	<b>,</b> "	<b>,</b>	`-	• 0	0	• -		0	0	0	0	0	0		22
ADAK	172-180W			48+	0	•	•	0.	•	•	0	•	•		•	0	0.	•	•	•	•	•	0	•		48+	•	•	•	•	•			•	0	4	0	•	•	0	•	•	•	•	
IREA 0009	-55N	FT)	NE	34-47	0.	•	0.0	•			*	•	•	0	•	4.		•	0.	•	o.	•	m	1.2	SE	4-4	o.	•	•	•			9	•	•	•	4.	•	0	•	•	٥.	•	•	•
ARE	216	HEIGHTS (			0	•	٠.		1.0	4 (	•	• •	•		0	0.	0	•	•	•	•	•		5.4		22-33	•	•	•	•	•	9	•	0	•	0	0	0	0	•	•	•	•	•	•
		SEA HE		11-21	•	•	2.0	, (	7.0	•	*	•	•		•	0	•	•	•	•	•	•	15	0.9		11-21	•	•	7.5	•	•	4	C	0	•	•	•	•	0	•	•	•	•	•	
		VERSUS		4-10	•	4,													0	•	•	•	4	1.6		4-10			• •	•									0	•	•	•	•	٥.	•
	ABLE 18	DIRECTION		1-3	•	4.	0.	0.	•	o.	0.	o c	•	200	•	•	•	•	0.	•	o.	•	~	4.		1-3	•	•	•	•				0	•	•	0.	•	•	•	•	•	•	•	•
	TAB	CKTS) AND		TOTAL	0	m ·	⊶ (	Λ.	4	4 (	· 0	-4	4 (	• 0		0	0	0	0	0	0	0	2	9.1		TOTAL	٥.	<b>†</b> (	7 0	0 (	۰ د		• ~	'n	0	0	0	-	0	0	0	0	0	0	000
		SPEED		48+	0	•	0	•	•	0	0	•	•	9	4	•	•	•	•	•	•	•	-	4.		+8+		•	•	•				•	•	•	•	4.	•	•	•	•	·	•	•
		F WIND		34-47	•	•	0	•		•	•	•	•		•	•	?	•	0.	•	•	•	2	Φ.		34-47	•	•	•	•				•	•	0	•	0	0	•	•	•	•	•	
		FREG O	z	22-3	•	•	•	*	•	1.2									•	•	•	0		3.2		22-33	•	0.0	•				4		•				•	•			0	•	C
5	0	PCT	~		•		•												•	°.	•	•		2.8		11-21				•									•	•			•		
	1565-1970			<b>%-10</b>		1.2		* (	•	•	•	•		0	•				•	°.	•	0		2.0		4-10	0.0	•	•	•		0	0	0	•		•	•	•	o°.	•	•	0	0	7
	_			1-3	0.	•	o c	•	•	o.	•	•							•	•	o.	0	0	•		1-3	•		•			0	0	•	•			•	•		•	•	•		,
ODI (PRIM	_			HGT	₹.	7-1	7 .	ır	_	2		77	1	0-2	1	6-3	3-4	1-4	9-6	1-1	1-8	87+	<b>-</b>	S		HGT	₹.	7-1	41.4	\ \ -	6		12	3	7-1	0-2	3-2	6-3	33-40	1-4	9-6	1-1	1-8	87	۲

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PERIOD

																							GRAND	I DI AL	, C	2 4	51	75	2 °	13	13		1 4	m	0	0	00	0	0	252	100.0
	80W		TOTAL		m	m ·	0 11	4	M	0	2	0		<b>-</b>	• 0	• •	0	00	<b>&gt;</b> C	27	10.7		TOTAL	_	• "	2	5	<b>m</b> (	e v		0	0 0	· ~	0	0	0	9 0	0	0	32	12.7
	172-18		184	•	0	0		20	•	•	•	•	•	•		0	•	•	•	· ~	•		+ 7	C	2	•	•	٠.		0	•	0 0	•	0	•	•	9 0	•	•	0	•
0000	51-55N	(FT)	SW 34-47	•	0	0.0	•	•	4.	•	•	0.0	•	•	•	0	•	•	•	• -	4.	3	34-47	ď	0	•	0	0,0	•	•	•	• •	4	•	•	•	•	•	•	<b>→</b>	4.
	AKE. 51.	HEIGHTS (	22-33	, .	0	٥.	• «	1.2	•	•	Φ.	•	•	•	0	•	°.	•	•	20	4.0		22-33	Ç		*	4.	0.0		4.	o c		0		0	•	•	0	•	2	2.0
		SEA HE	11-21	•		•		•		•	•		•				•	•	•	• •	3.2		11-21	0		•	1.2	•	• •		•	• •	•		•				•	~	0.9
		VERSUS	91-4	•		3.		4		•	•	0	•	•		•	•	o c	•	'n	2.0		4-10	4	•	1.6	4.	•	•	•	•	•	•	0.	0.	•	•	0	•		4.4
<b>.</b> .	18	DIRECTION	1-3		•	4		•	0	•	0	0	•	2	0	•	•	•	•	•	4.		1-3	0	0	•	0.	•	0	•	•		0	•	•	•	•	0	•	0	•
JANUARY	TABLE 1	ANO DIR				_	•			_		_				_	•				_		-	_										_	_	_		_	_		_
		(KTS)	TETAL	,	4	•	ם ער	1 (*)	_	0	0	0 (	50	, ,	,		0	0 0	, .	25	6.6		TOTAL		• ~	12	ω,	- 4	1 40	7		-, 0		0	0	0.0	0	0	3	5	21.6
		SPEED	484	•	•	•		•	•	•	•	•	9 0	9	0	0	•	0 0		•	•		484	0		0	•	00	0	•	0.0		•	0.	•	0 0	•	0	•	0	•
		OF WIND	34-47	•	•	o.	•	0	0.	•	•	0:	• •	9	?	•	°.	0 0		-	4.		34-47	C.		0	0.	•	0	80	4.0	•	0	0.	·	•	•	0	•	9	1.2
		T FREG (	5 22-33	•	0													•		4	1.6	3	22-33	0			•		• •	•							0			7	
	0	2		•	4.	•	2.0		•	•	•	0	0	2	•	•	•	• •		13	5.5		11-21	0	0	•	3.5	•		1.2	o c	•	0	•	•	•		•	•	2	8
	1963-1970		4-10	•	1.2	•		0	•	0	•		9 0			•	•	9 0	0		2.8		4-10	0	Φ.		o c			•				•			•			<b>⊸</b>	
2	-ALL)		1-3	•	0.	•		•	•	0	0	9			0	•	•		0	0	•		1-3	•													?			0 (	•
	(OVE			-	1-2		1	6	10-11	15	3-1	1-1	1 1	6-3	3-4	1-4	9-6	1 1	87+	TOTAL	S		HGT	7	1	4-10	1 1	- 1	10-11	12	3-1 7-1	0-2	3-2	6-3	3-4	1 4	61-70	1-8	87	- 1	U

	180M
ADAK	172-
AREA 0009	5

	TOTAL	4	25	84	51	45	54	25	13	13	-	7	4	m	0	0	0	0	0	0	255	100.0
(FT)	48+	0	•	•	•	•	•	•	•	•	0	4.	€.	æ	0	•	0	•	•	0	S	2.0
HE I GHT	34-47	•	•	•	8.	8.	•	80	1.2	4.	•	0.	89	4.	•	•	•	0.	•	•	13	5.1
VS SEA	22-33	٥.	°.	1.6	2.4	4.7	6.3	5.5	2.7	4.3	4.	*.	•	•	•	•	•	°.	•	•	72	28.2
(KTS)	11-21	•	2.7	0.6	13.7	4.6	2.7	2.7	1.2	•	•	?	•	•	•	•	•	•	•	•	106	41.6
SPEED	4-10	4.	6.7	7.8	3.1	1.6	4.	₩.	•	4.	0	•	•	0	•	•	•	•	c.	•	54	21.2
ONIM	6-0	1.2	4.	4.	•	٠.	0.	•	•	•	•	•	•	•	•	•	0.	•	•	•	2	5.0
	нст	<b>.</b>	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	•	23-25	26-32	33-40	41-48	09-65	61-70	71-86	<b>87</b> +	TOTAL	PCT

TASLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

HEAN	4	~	10	12	16	16	-	7	•
TOTAL	75	.0	67	31	6	7	18	285	0.00
+18	•	0	•	•	0	•	•	0	0
71-86		0							
61-70		0							
49-60 61-70 71-86		•							
		•							
33-40 41-48		•							
26-32		•							
		1.1							
20-22 23-25		4.							
17-19	•	4.	•	4.	°	•	•	7	.7
13-16 17-19	ပ္	1.4	3.9	1.4	.7	•	4.	22	7.7
	•	1.1	4.2	2.1	•	•	•	21	7.4
8-9 10-11	1.4	2.8	2.5	5.5	4.	•	·	27	9.5
8-9	1:1	3.5	3.9	2.1	4.	4.	•	32	11.2
7	3.5	7.4	4.9	4.	4.	o	4.	48	16.8
9-9	7.0	7.7	2.5	•	•	•	•	49	17.2
3-4	9.6	3.5	4.	4	?	2	•	40	14.0
15	3.5	ي.	•	•	•	o	•	10	3.5
	•	•	•	•	•	•	2.6	16	2.6
PERIOD (SEC)	9>	6-7	6-6	10-11	12-13	>13	INDET	TOTAL	PCT

			TOTAL	200	61	6	29	4. a	9 49	5.4	52	1 C 4	61	0.00	82	30	77	35	0		S G	•				TOTAL OBS	726	227	217	196	866	100.0
3	-180K		AND	7 3	•	•	•	4 4	• •	•	•		• •				•	•	•	• •	o o	•			Z	ND SIG	_	•	• -	62.2	~	•
•	5N 172	7	ER PHEN DUST	BLWG SNOW	•			e c			o c		•			•			•	o.	<b>-</b> 4 •	:			۵	DUST WG DU					-	•1
4	51-5	IRECTION	ER WEATH	u Y				•									•		·		<b>⊣</b>			HOUR	WEAT	SMOKE			•	1.5	~	
		WIND D	25. 3.	PCPN	•	0	(	0	. 2		2.0	,	1 4	0		-	4.	•	•		42 0	•		₩.	01H	FOG PCPN		•		5.6	2	
		RENCE BY 1	H -	Ξ	၁•			•					9 0						•	•		•		OCCURRENCE		THOR				0		7.
-	~	OCCUR	TOTAL	085	22	9.7	51	7 2	16	21		7 2	17	17	15	•	01		0	u	507		E 2	ATHER		TOTAL PCPN OBS	7.4	· <b>(</b>	5 50	9	255	
	TABLE	IF WEATHER	PCT FREQ	B TIM	•	•	•	100		•	•	• •			•		1.2	•	•		7.00	•	TABL	NCY OF WE		PCT FREQ PCPN AT 08 TIME	,	;	10			56.6
		EQUENCY D	HAIL		.1	o.	0 0			•	•	• -	•	Ó	•	•	• 1	•	•	0,5	9	•		FREQUENC		HAIL			6	C	M	M
		<b>T</b>	TYPE OTHER FR7N	5	.1	0,0	•	0	•	7.	0		•	0	•	•	0	•	• ·			•		ENTAGE	TYP	OTHER FRZN PCPN				3	( <b>1)</b>	'n
		ENTAGÉ	TATION SNOW (		2.0	•	•	1.8	•	1.2	0 1	6		1.9	•	•	•		•	• <	18.6	•		PERCE	TATION	물	~	i a	9	17.9	91	•
		PERC	RECIPI FRZG PCPN	,	0.	•	• •		•	•	•	•	•	•	•	•	•	 •	•	• -	17	:			RECI	FRZG PCPN		C	0	•	<b>4</b> (	
			PORZL		0			'n			7.4				.2				· •	. 4		•				DRZL		•		5.6	4	4.1
147	-1970		RAIN			0,0	•	2 7	0	(	N C	0	۲.	•	•	•	~	•	•	• •	9	•				SHIN	1.3		5,	1.5	<b>co</b> (	٠.
1943	1899		RAIN		4.		<b>.</b> .	9							•					• 4		•				A A I	•			9.5	4	
( VAAMI AQ)	(OVER-ALL)		WND DIR		Z	J U	u u. Z. Z.		ESE	a c	, ,	SSE	N	ESE	3	Z	3 Z		۲ . ۲	OT OR					!	HDUR ( GMT )	030	039	w	862	0 4	•
PERIO																																

;

		21			0 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	• • •		
		18	\$ 4 W R	10.4	N 0 0 1 - 4 N N	1.9 156 100.0	21	00000000000000
180W		15	0.0 1.60.0	140040 14100	8 8 9 4 11 4 9 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		<b>6</b> 0	001 00000000000000000000000000000000000
ADAK 172-1		GMT) 12	80000	0 B N N W 4 0 B 4 4 4 0	7 4 8 8 9 4 9 0	400	-	100.
0009 55N		HOUR (			04000F0 0F0000000	0.0 10 0.0 10	51	11. 44.1 44.1 64.1 14.1
AREA 51=5		* *	w 0 4 v	100401	- 0 0 0 0 0 0 1 0	0 10	(GMT) 12	113.68 114.78 117.88 117.77 117.77 100.00
	HOUR	m	01101	1 to 10 to 4 W	7. 2. 1. 2. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	100	HDUR 09	201111111111111111111111111111111111111
	BY	0	N 00 0	14860	7 6 8 6 8 8	100	90	84408464 0000000000000000000000000000000
	EED AND	0			w ∞ ∟ ∞ ∪ o w	283 283 100.0	60	448010000000000000000000000000000000000
	BY SP						8	24.04.04.00.04.80 01.02.04.00
	110N	ZΩ	01 01 10 .*	m io - + -1	0 04 L N L N O	0.5		1129
М	DIREC	MEAN			202.02.02.02.02.02.02.02.02.02.02.02.02.	19.0		
TABLE	F WIND	PCT FREQ			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	1.3 100.0 TABL	MEAN	100.00 100.00 100.00 100.00 100.00
	C \	TOTAL OBS	20 84 84 84	997 997 997 99	4011 8110 8100 8100 940 940 940 940 940 940 940 940 940 9	00	PCT	100.00 100.00 100.00 100.00
	FREQUEN	48 +	0.700		<i>m</i> 22	2.2	TOTAL OBS	124 146 156 148 147 199 115 0
	PERCENTAGE	34-47			<b>⊣</b> ₩ <b>ૹૹ૽</b> ૹ૽ૹ૽ઌ૽ઌ૽ઌ૽	129	41+	11.79951
970 970	PER	D (KNDTS)		121111		312	(KND's) 28-40	22 22 22 22 22 30 30 30 30 30 30 30 30 30 30 30 30 30
1943-19 1899-19		WIND SPEE 11-21	2.1	2		404	SPEED (	444404m0 m1 m1 m0
(PRIMARY) (OVER-ALL)		4-10	411.8	1	- L 8 6 1 0 0 0 0	284 23.7	WIND 7-16	8000000 800000 80000000000000000000000
(PRIM		0-3	6044		4,444446	W •	9	121.10 1.00 1.00 1.00 1.00 1.00 1.00
PERIODI		WND DIR	N N N N N N N N N N N N N N N N N N N	S S S S S S S S S S S S S S S S S S S	E E E E E E E E E E E E E E E E E E E	701 085	WND DIR	TOTAL SEE TO AL SEE TO AL SEE TO TOTAL SEE T

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													TOTA	085	38	91	26	32	9	34	8	2 0	0 0 0 4	7 4	14	58	32	33	27	0	•	~	100.0
										(8/95	10/1		NH <5/8	<b>'</b> >	۲.	٠. د.	.7	•	•	1.0	•	•	• •		•		1.2	•	•	•	٠.	15	•
80 W										V HN - LU		NO	+000		•	•	•	•	•	0	•	•	•	9	Ç	•	•	•	•	•	•	0	•
ADAK 172-1												IRECTION	50	6662	0	•	0.	•	·.	0	9	•	•	0	0	0	ó	•	•	•	•	7	e.
A 0009										G HETCHTS		Q QNIM	0	6649	•	•	•	•2	• 2	•		•	9	0	0	0.	•2	•	•5	•	•	4	.7
ARE 51		٠. ي	0	<b>.</b>	<b>10</b> 9	<b>o</b> 9	2			SNT IT a C		/8 BY	50	6667	5.	•	e.	<b>.</b>		• 5			10	0		•	•	.2	• 5	•	0	~	3.1
	~	T0TA 08S	32		77	200	J		LE 6	<u> </u>	5	NH <5	2000	3499	1.4	.7	•	•	1.7	•	•	•	10		10	ω.	1.0	6	6	0	•	۲,	13.7
	(GMT)	PCT FREQ	100.0	38	38	3	100.0		TABLE	FREDERICY		ICE OF	000	666	•	•	•	•	•	•	•	•	•		•	•	1.6	•	•	•	• 1	173	0.0
	Y HOUR	MEAN	20.4		-i r	: 0	•					OCCURRENC	. 009	666	6.	5.		٥.	1.0	0.1	•	7 4 5	• •	•		1.2	6	۲.	٠,	•	0	11	3.4 3
	EED BY	CALM	1.3	•	7.7	• -	1.3			CENTAGE	1	AND DC	00	669	6.	•											m.					53	•0
TABLE 4	WIND SP	KNOTS)	4.	•	0 0	• 0	2.2			9 4	J		20	299	•	•	•	•	•	ان د	•	•		2	2	.2	.2			•	2.		1.4 5
	NCY OF	SPEED (	10.9	; ,	, ,	• 0							0	149	•2	•	٠ •	•2	٥.	w, I	• •		2.	• 5	15.	•	۲.	e.	•	0	0	2	4.7
	FREQUENCY	WIND 22-33	24.1		, 4	, 6																											
	ERCENTAGE	11-21	35.9	• •	0 4	0	3			(EIGHTHS)		N A III	יר פתם	OVER	7.1	•	•	•	•	•	• (	•			•	•	5.0	•	•	•	6.5	•	
	PER	4-10	21.3	•	. a	0 00	•						AL	S	38	œ:	56	35	09	4 0	0 00	33	56	43	44	28	35	50	27	o ·		-	•
		1-3	2.5	•	•	• ^	5.4		ĸ	AMDUNT		DIRECTION	TOT	080	9	Φ.	ο.	<b>~</b> (	ın (	<b>.</b>	· •	m	9	6	•	m	<b>.</b>	۱ ۵	~ (	<b>.</b>		•	2
1-1970		HOUR	603	3 -	2 5	; ;	C		TABLE	CLOUD			00	SC	3.	-	m	m I	· ·	* 1	ה	2	2	2.	2.	2.		• .	-	•	• 1	77	40.
1943		I	000	, (	Jα	) <b>}</b>	Δ.		<b> -</b>	OTAL		QNIM X	5-7		2.6	•	•	٠	•	•	• •	•	•	•	•	•	•	•	•	÷ (	• (	٠ <del>ر</del>	•
(PRIMARY)										0 DF T	i	æ	3-4		.2					7 4		10		•		•	•				7.0	٩,	10.2
										T FRE			0-5		.2	0	7	. 7	m, i	• •	י יי	. 7	5.		1.0	•	ų,		•		- L	0	
PERIODS										24			WND DIR		Z	NZ.	Z : Z	ENE	w i	ה ה	, C.	v	NSS	35	X SX	3	3	2	z.	۹ :	-	- 1	7

FEBRUARY

AREA 0009 ADAK 51-55N 172-180W	CE
TABLE 7	CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)
1943-1970 1899-1970	
(IODI (PRIMARY) (OVER-ALL)	
R 100 t	

# 80	40000000000000000000000000000000000000
■ DR >50YD	1488414 1488414 148614414 199614
- OR >1/4	48841 486641 49661 4961 4964 4964 4964
) = OR >1/2	1 1 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
VSBY (NM = DR = DR	44444444444444444444444444444444444444
# GR 72.	1474000 14740000 00000000000000000000000
■ 0.8 0.8	
* OR >10	201000 201000 201000 201000 201000
EILING FEET)	>6500 >5500 >5500 >2500 >150 >150 >150
0.	

577

TOTAL NUMBER OF DBS:

27.7

PCT FREQ NH <5/8:

TABLE 7A PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL OBS	479
DB3CD	3.8
60	35.7
7	11.4
٠	12.3
<b>10</b>	8.7
4	5.1
m	9.5
2	9.9
-	2.6
0	4.3

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		H	400	9-9	404	400	N .0 00	rr4	0
		PCT	1.5	3.1.0	4.07	7.4 5.9 13.2	11.2 26.6 37.8	33.7	100.0
		TOTAL	13	31	8 2 8 8 5 8	63 50 113	96 227 323	23 288 311	854 100.0
		CALM	•••	•••	öün	-0-	04.4	040	.1.
₩ 8	z	VAR	•••	000	000	000	000	•••	••
ADAK 172-180W	ITATIO	Z	•••	-0-	400	400	96.6		32 3.7
AREA 0009 51-55N	PRECIP	Z	11.2	-:0-	977	٠	1.8	1.5	5.2
AREA 51-	. H .	N	400	000	on 4	on 4	2.6.	0.17	4.6
	URREN	3	000	644	0,44	4.00	3.5	44.6	9.5
	TON OC	MSM	000	-0-	2.40	444	1.5	3.2	59
	DIRECTION VS OCCURRENCE OR NON OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY	MS	•••	444	44.	0.46	8.6.4	3.7.5	7:1
m.	URREN(	MSS	•••	400	44.6	0.4℃	1.3	1.6	5.3
TABLE	VS DC	S	•••	644	400	2.01	1.3	2.3	6.0
	ECTION ITH VA	SSE	•••	•:-	<b>"</b> "4	1:1	2.1	0.1	53
		SE	444	-1.2	@ N O	r:-	1.6	1.4	5. 6.3
	OF WIND	ESE	000	0 % %	50.0	927	1.6	1.4	5.9
	r FREQ	<b>ш</b>	200	W 04	v.4.	8.92	2.0	3.5	9.4
	PERCENT	ENE	-:0-	40,0	40,4		4.6.1	2.0	5.3
-1970		Ä	•••	46	404	8.92	1.2	2.2	6.9
1943-1970 1899-1970		NNE	-0-	:0-	-:-2	400	1.2	ທີ່ທີ່ ໝ	31 3.6
MARY)		z		400	•:•	2.4€	2.0	2.3	7.1
PERIOD: (PRIMARY) (OVER-ALL)			PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PER		VSBY	¢1/2	1/2<1	27	2<5	5<10	10	

*

		РСТ		2.6			9.0	2.0	• •	99 Nov		7.0	13.2 15.3	• •	14.3 9.4 36.1	0.00
		TOTAL	04	11 2		- m 4	54 45	24 13	44 99	45 41 41	82 171		155 180 426	7	168 110 424	1173 1
		CALM T	•		0	•	0	7.	7	• 5	2	<b>.</b>	n	۲.	00	15
31 0 80		VAR		00	0	200	0.0	000	00	000		00	•••	00	000	00
ADAK 172-16		Z Z Z	00	00	0	000		007		0019	6.		20,70		22.5	3.9
0000 55N		3 Z	0.1.	• <del>•</del> •	7	000		0,00	o m	04%	13		1.0 26		25.98	5.7
AREA 51-	ED	Z	••	;;	7	•••	o o	0,00	ώō	-:00			4 9 2		22.70	51
	D SPE TY	3	00	000	0	000		007		0,00			11 4	1.1	1.4 7.4 38	9.3
	VS WINI	S	00	°	→	004	• -	404		046	10	• •	30	• •	4 - 4 4 - 4	81
	ECTION S OF V	MS		000	Э	000	4.	044	N 4	1.0			3.9		2.1 50	111
8LE 9	ND DIR	SSW		; o, -	4	0.40		000	u 4	702			26		200	5.3
TA81	OF WIN	S		00.	-	001		0,00	u iu	0,00			30			83
	FREQ ITH V	SSE	00	•••	<b>5</b>	007	.1	044	9.0	0 % 70	5.11		1.3		1.01	5.6
	PERCENT	SE	0.7		*		. 4	404	170	0,00			2.7.8		. 4 B	8. 8.
	_	ESE		000	>	000		1441	12	0.44			200		1.3	59
		ш		9,4,6	7	;;;;		0.10		021			1.4		1.40	97
		ENE	000	?. <del>.</del> .	4	000		4000		0,44	11.5	0.4	1.1		0.00	61
-1970		Z.	000	000	>	••••		000				• •	3,4		20.0	83
1943-		NN	000		-•	000	o u	0,0,7	1.0	0,00	m &		 4		11.7	4.0
IMARY) ER-ALL)		z	00			000		044		021		• •	25		2.00	5.9
ERIODI (PRI		SPD	613	2+2	,	0-3 4-10 11-21	TOTAL	0-3 4-10 11-21	TOTAL	0-3 4-10 11-21	22+ TOTAL	-3	22+ 707AL	61-	11-41 22+ TOTAL	TOTAL
PERI		VSBY	<11/2			1/2/1		142		265		5<10		10+		

									AND/OR	TOTAL	147	160	149	121	577
ADAK 172-180W		TOTAL OBS	148	164	156	127	595		VSBY (NM)	NH <5/8 AND 5+	23.8	23.1	28.9	30.05	152 26.3
		NH <5/8 T ANY HGT	7.52	24.4	32.7	36.2	175	12	DF RANGES OF VSBY (FEET,NH >4/8),BY	1000+ AND5+	36.1	43.1	39.6	33.9	222 38.5
AREA 0009 51-55R	AND		m	•	m,	80	0.9	TABLE		<1000	40.1	33.8	31.5	35,5	203 35.2
	>4/8	TOTAL	74.3	75.6	67.3	63.8	420		FRED G HGT	<b>6600</b>	12.9	12.5	10.7	12.4	70
	'S (FEETJNH >4/8),AND BY HOUR	8000+	•	•	°.	•	00		CUMULATIVE PCT	<150 <50YD	80	5.6	4.0	4.1	4.7
		6500	.7	•	•	•	0 m		UMULATI	HOUR (CMT)	60300	60390	12615	18621	PCT
E 10	ENCY OF CEILING HEIGHTS DCCUPXENCE OF NH <5/8 B	5000	•	•	1.9	₩.	41-		5	_					
TABLE	CEILII ICE DF	3500	3.4	4.3	1.9	7.7	3.0					•	•		<b>~</b> 0
	CV PF	2000 3499	12.8	12.8	15.4	14.2	85 13 · 8			TOTAL OBS	147	160	149	121	577
	FREQUENCY OF DCCUPXEN	1000	30.4	33.5	28.8	22.0	173 29.1		BY HOUR	10+	49.0	4.4.4	45.0	51.2	272
	ENT	666	15.5	12.2	10.3	14.2	77	_	( KN )	5<10	31.3	0.04	35.6	30.6	200
	PERC	300	5.4	6.1	3.2	4.7	29	TABLE 11	FREQUENCY VSBY	2<5	8.8	8.8	10.7	10.7	56
		150	1.4	•	1.9	1.6	1.38	Ĕ	QUENC	142	7.5	4.4	5.4	4.1	31
970 970		000	4.7	5.5	3.8	3.9	4.5								
1943-1970 1899-1970		HOUR (GMT)	60300	60390	12615	18821	TOT		PERCENT	1/2<1	1.4	1.9	2.7	1.7	11
		ī	ŏ	ŏ	ä	7	. –			<1/5	2.0	\$		1.7	1.2
(PRIMARY) (OVER-ALL)										HOUR (GMT)	00000	60390	12615	18621	PCT
PERIODI															

		1	-	_	. ~			. ~	. ~	. ~	. ~		무	ME/		_	_	_
		BY TE	Z	0		3.7	2.8	2.0		7	9.7		8	0	5	0 0	٥	2
		ION	3	-	. 10	. ~		_	. 0	m	7		ITY	90-100	47	40.0	20	6
M 0		ECT			•	7	6	-	•	10	12.7		MID		0	<b>+</b> 00	-	00
ADAK 172-180W	14	FREQUENCY OF WIND DIRECTION	SW	7	2.3	6.01	4.4	0	٥	145	17.8	16	RELATIVE HUMIDITY	80-89	27.	34.8	34	56
	TABLE	DF WI	S	7			2.5		0		13.9	TABLE	RELAT	70-79	16.4	15.6	10.9	119
AREA 0009 51-55N		۲														o <b>r</b> -	, m	٥
ARE 51		EQUEN	SE	•	2.3	9.6	1.8	•	•	114	14.0		ENCY	69-09	• •	3.7	4	M
			m	•2	1.7	7.0	2.8	•	0	96	11.8		PERCENT PREQUENCY OF	30-59	1.4	• -	•	•
		PERCENT	NE	7	1.0	5.5	2.3	1.0	7	4	4.6		RCENT	0-29	0,0	0	0	0
			z	0	7	m	~	1.1	7	73	0		PE				ı	
				•	•	Č	4	-	•	,-	6			HOUR	60300	12615	18621	2
		Ļ	FREQ	6.	• 5	4.	24.8	5.3	7	20.0								
										~								
		4 4 6 7	085	7	110	443	202	43	C	814			HOUR	TOTAL	321	245	300	6611
		EMP	-100	4	8.9	5.4	1.1	3.3	0.1	990	6.7		₽	<b> </b>				
		¥	96										(DEC F)	MEAN	35.9	34.	34.9	22.
		SITY BY TEMP	80-89 90-100	4.	4.5	18.7	8.0	6.	-	265	32.6			NIE	20	21	20	7
		HUMIC	70-79	7	1.6	7.6	4.2	6.	•	117	14.4		F TEMP	1%	212	23	21	77
	TABLE 13	ATIVE	69-00	0	4.	2.3	1.5	• 5	•	36	4.4		LES O	2%	28	27	27	, ,
970	TAI	PERCENT FREQUENCY OF RELATIVE HUMID	0-29 30-39 40-49 50-59 60-69 70-79	•	٠,	~	٦.	0	•	5	•	TABLE 15	PERCENTILES OF	20%	36	35	36	00
1943-1970 1899-1970		NCY	49.5	0.	•	-:	0	0	0	-	٠.	TA	9 Q	*				
		OUE:	-04										DNA S	95%	42	40	0 5	ř
(PRIMARY) (OVER-ALL)		NT FR	30-39	0	0	•	•	•	•	0	•		MEANS, EXTREMES	<b>%</b> 66	t 4 10	43	45	
		PERCE	0-29	•	°.	•	o	•	•	0	•		INSLEX	MAX	47	45	44	-
PERIODI			u.	67/57	40/44	/39	134	62/	124	TAL	_		MEA	_	600	51	- 1	
۵			TEMP	45	0	35	30	25	20.	2	ā			HOUR (CHT)	00503	12615	186	-

TEMP

TOTAL 

MEAN  PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

W . 1 L 1	3	FDG	•	• 1	0	1.0	1.4	.7	3.7	5.1	1.6	9,1	2.4	7.9	0.6	8.1	4.8	8.8	5.4	4.3	2.8	ω.	6.	705	4.7
	3	FOG	*.						•																•
F)	101		æ	~	H	0	12	5	27	40	86	49	93	58	99	59	35	94	39	31	20	9	7	724	100.0
ICE (DEG )		8 4	•	•	•	•	•	•	0	٠.	•	•	•	•	0	•	•	•	•	•	•	•	•	-	7.
FFERENCI	41	44	4.	۲.	٦.	.7	80	ů.	1.0	۲.	٦.	•	•	•	•	•	•	•	•	•	•	•	•	31	4.3
RE DI	37	40	•	•	•	9.	80	4.	2.3	4.4	0.6	2.4	6.2	1.9	1.7	1.1	.7	.7	•	•	•	•	•	255	35.2
MPERATURI	33	36	•	•	0	•	•	•	4.	<b>.</b>	2.8	3.9	6.5	5.5	4.9	5.7	2.5	2.8	Φ.	Τ.	•	•	0	270	•
. I-	59	35	•	•	0	0	•	•	၀	0	•	•		9.	1.1	1.0	. 4	2.5	2.3	1:1	·	-	•	96	13.3
IR-SEA	25	28	•	•	0	•	•	•	o.	o	o.	•	9	•	•	4	۲.	ů.	2.5	5.9	1.5	•	ď.	26	7.7
VS AI	21	54	•	•	•	•	•	•	•	•	ő	•	o	0	0	•	•	•	•	•	1.2	4.	ò	1.7	1.8
	17	20	•	•	•	•	0	•	•	•	0	0	0	•	•	•	•	•	•	•	•	'n	•	7	6
	AIR-SEA	Q.	9/10	4/8	•	ĸ	4	m	7	-	0	7	-5	<b>-</b> 3	4	10		D)	-9/-10	1/-1	-14/-16	1/-1	0/-2	5	PCT

ADAK 172-180K AREA 0009 51-55N WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT) TABLE 18 FEBRUARY PCT FREQ DF E 22-33 PERIOD: (PRIMARY) (OVER-ALL) 1963-1970 

TABLE 18

AREA 0009 51-55N

HEIGHTS (FT)

SEA

VERSUS

DIRECTION

AND

(KTS)

SPEED

MIND

PF

SE 34.

ADAK 172-18CW

••••••••

339

PAGE

NW 34-47

11-21

ADAK 172-180W																						
AREA 0009 51-55N																						
		TOTAL	0.7	90	35	64	38	16	11	20	5	m	0	0	0	0	၁	0	0	0	230	100.0
	(FT)	+8+	0.0	•	္	•	4.	•	•	1.3	•	4.	•	•	•	•	•	•	•	0.	S	2.2
( )	HEIGHT	24-42	0.0	0	•	1.3	3.0	6.	1.3	5.6	٥.	4.	•	•	•	•	•	•	•	°	54	10.4
TABLE 18 (CONT)	SEA	22-33	00	3.0	6.9	7.0	5.7	2.6	2.6	3.5	1.3	4.	o.	•	•	o.	•	°.	•	•	75	32.6
TABLE	(KTS) VS	11-21	2.0	7.4	6.5	12.2	7.0	3.0	6.	1.3	•	•	•	•	•	•	•	•	•	•	66	40.4
	SPEED	4-10	1.3	5.6	2.2	6.	4.	4.	•	•	•	•	•	•	•	•	•	•	•	o.	30	13.0
	MIND	6-0	1.3	0	•	•	•	•	•	•	•	•	0.	•	•	o.	•	•	•	•	m	1.3
		нст	5.	3-4	2-6	_	8-9	10-11	12	13-16	17-19	20-22	23-25	26-92	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT

## TABLE 19

	HEAN	4	6	•	0	11	12	0	7	
	TOTAL	61	57	61	40	28	7	37	286	100.0
	<b>87</b> +	•	•	•	•	•	•	•	0	•
	71-86	•	•	•	•	•	•	•	0	•
	51-70	•	•	•	•	•	•	•	0	•
	13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	•	•	ပ္	•	•	•	٥.	0	•
S	41-48	•	•	•	?	o.	•	o.	0	•
PERIOD (SECONDS)	33-40	•	•	•	•	•	ó	C	0	•
410D (	26-32	•	•	•	•	•	•	•	0	•
WAVE PE	23-25	•	•	•	•	•	o	•	0	•
	20-22	•	.7	ö	o	ů	•	·	m	1.0
HEIGHT (FT) VS	17-19	•	6	2.1		•	•	•	0	3.1
HE I G	13-16	•	4.2	1.4	7.0	2.8	œ.	·	28	8.6
JF WAVE		Ö	1.0	3.5	ů.	2.1	٠.	.7	23	8.0
PERCENT FREQUENCY OF	10-11	•	1.7	2.0		1.4	<b>•</b>	•	56	9.1
FREGI	6-8	2.1	2.1	6.9	2.0	2.8	•	•	55	19.5
ERCENT	7 8-9 10-11	3.1	2.5	2.8	2.1	u.	•	o.	90	13.6
<b>6.</b>		4.9	5.4	2.1		•	•	e.	30	10.5
	3-4	7.0	2.1	•	•	•	•	m !	27	4.6
	1-2	3.8	•	e.	ė	•	•	<b>.</b>	13	v.
	₹	e.	•	0	<u>٠</u>	•	0	1.2	6	1.5

SEC) (SEC) (

		TOTAL OBS	\$ 4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	00 00 00 00 00 00 00 00 00 00 00 00 00	101AL 1018 259 272 276 946 90.0
1DAK 72-180W		MENA NO SIG	<b>0 6 14 6</b> 14 14 14 14 14 14 14 14 14 14 14 14 14	20 mm	MN W
0009 ADA		HER PHENOME DUST BLWG DUST SLWG SNOW		H	0.451 ND SIG ND W WEA NO CO
AREA 0 51-55	RECTION	R WEATH SMOKE HAZE	004040040	A A C C C C C C C C C C C C C C C C C C	N
	MIND DI	FOG H		, , , , , , , , , , , , , , , , , , ,	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	<b>8</b>	TYDR LTRG	000000000	00 00 00 00 00 00 00 00 00 00 00 00 00	HTD 040011
-	. OCCURRENCE	TRTAL PCPN OBS	0 30 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	25 29 29 31 15 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10TAL PCPN 08S 76 71 295
TABLE	F WEATHER	PCT FREQ PCPN AT UB TIME	<b>८ ५८ ५८ ५८ ५८ ५८ ५८ ५८ ५८ ५८ ५८ ५८ ५८ ५८</b>	# H H H H H H H H H H H H H H H H H H H	PCT FREQ PCPN AT 08 TIME 38.04 38.04 31.2
	ENCY OF	HAIL		FREQUENCY	HAIL 1.1.
	FREQUENCY	TYPE OTHER FRZN PCPN	000000000	9 d × ⊢	PRAG PC PN N O O O O O O O O O O O O O O O O O
	ENTAGE	SNOW (	444 A 4444 A 444 A	1.0 2.3 2.3 0.0 1.5 0.0 1.5 1.5 1.5 1.7.5 1.7.5 1.7.5 1.7.5 1.7.5 1.7.5 1.7.5	SNOW 18.5 21.8 10.7 18.5 164
	PERCI	RECIPI. FRZG PCPN	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ARO 20 4040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		PI	- n n n 4 4 w m O u	44440040044 F	0 2 4 4 5 5 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6
-1970		SHER		10000040	SAN 2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1943		RAIN	7940044674	eo	RAIN 10.0 10.6 8 80
(PRIMARY) (OVER-ALL)		WND DIR	N S S S S S S S S S S S S S S S S S S S	TO T	HDUR (GMT) 00603 06609 12615 18621 707
PERIODE					

			21	œ د، تق بر									
			14	N 4 N 4	0 ~ ~ ~	, v 5,	4 Or L-	186	44	1001			
			13	0.00	- B (1) C	200	0 - 4	9 IU 4	400	161		21	0000 M 40000000000000000000000000000000
	160W		13	2. 4. C. 4.	1	100	1 2 12 1 4 12	2 -1 -	40 40	00		18	######################################
	ADAK 172		GMT)	3 M O K		• •		• •		21.			411111111111111111111111111111111111111
	0000 5N		HOUR (	~ 0 10 10								51	24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	AREA 51-5		•0	0.00 ru st						0 100		(GMT)	1104 8 4 10 10 10 10 10 10 10 10 10 10 10 10 10
		DUR	٥	11 60 6	101-4	. rv .o. u	u 10 40	11-0	-4 (	1001		80 90	011.0.11.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.
		B	03	6.1 24.2 18.2		m m	66.1	• •	6	33	4,	, . , .	
		D AND	00	N 4 8 N			• • •	• •		372 00.00		m	11 11 11 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		SPEE								4		0	20 21 12 12 9 9 9
		ION BY										00	100 100 100 100 100 100 100 100 100
I	м	DIRECT	MEAN	20.2 16.3 15.5	80.0	800	000	6.0	• • •	18.0	Ą		
MARCH	TABLE	MIND	PCT	85.80			• • •			. 00	TABLE	MEAN	
		ENCY OF	TOTAL OBS	109 62 108	9 6 1	106	-00	250	250	1390		PCT	112.43 112.43 114.93 114.20 11.20 11.20
		FREOUEN	+8+	7000						15		TOTAL OBS	171 177 177 178 185 185 175 175 175 170 170 170 170 170 170 170 170 170 170
		ERCENTAGE	34-47	L410	044	•••		<b>.</b>		113 8.1		÷1;	0004045000 40
	70	PER	22-33	1. 2. 1. 2. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.					000	309		KNDTS) 28-40	100111011 01 
	1943-1970 1901-1970		ND SPEE 11-21	W 11 01 1	1.7	3.5	2.9	4 0 0 0	7.0	538 38.7		SPEED (	80 00000000000000000000000000000000000
	(PRIMARY)		4-10	3.1.2		4.00	• • •		10	354 25.5		#IND	40444000 40 40444000 40 004004040 00
	-		0-3	10.00		440	244	64.		4.04		9 - 0	1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	PERIODE		WND DIR		<b></b>	S S S S	E E I	333	N > C	TOT 085		WND DIR	THE SERVICE OF LANGE AND L

PAGE 342

												TOTAL	088	20	22	9 1	2 4	200	25	25	<b>0</b> (	70	000	20	56	33	40	0		586	•
									>4/8)			NH <5/8	S X	.7	6.	0.4	, r.	'n	2,	•	•	2 6			•	•	•	•	•	12	•
											5	+000	•	•	•	٠ د	•	0	•	•	•	) r	0	•	•	•	0	•	0	4	۲.
ADAK 172-1									TS (FT,NH		•	6500 8	6	0	•	•		0	ပ္	• •	•		0	•	°.	0	~	•	•	~	ů.
A 0003									HEIGHTS	3		5000	6640	•	o (	• c	0	•	•2	0		0	0	•	•	°	•	•	o e	m i	٠,
AREA 51.		ب	ស្ន	. 0	٠,٠	0			EILING	-		3500	66	.7	7,	. c	•	. 2	.3	m H	•	2	<b>.</b>	5	•	ņ	0	0	2.	~	4.1
	_	T0TA 08S	405			139		1.E	9	ĭ	•	2000	3499	2.6	٠.	1.0	. 0		1.0	ra c	•	2		1.4	٠,	•	1.7	•	2.5	☎,	15.2
	CGMT	PCT	100.0	88	8	C		TABLE	EQUENCY	FNCF	,	000	6	•	•	•	•	1.9	•	6.1	•	•	~		•	1.2	•	•	•	9	•
	Y HOUR	MEAN	18.0		•	8			<b>T</b>	2		000	<b>3</b>	6.	•	0.0	0	•	1.0	w.	•			1.5	•	1.2	۲.	•	2.5	87	60.
4	PEED B	CALM	1.2		1.1	17	7.7		ERCENTAGE	GNA	!	300	•	٠,				<b>.</b>											0 1	52	
TABLE	NIND S	KNOTS)	2.0	1.1	•	<b>51</b> -	•		PE			150	<b>T</b>	2.	0.	, c		0	•	~		1 (1)	0	0	•	.2	•	0	01		1.2
	Y 0F	PEED (	7.2	•	8	~	•					000	<b>T</b>	6.	0,1	י א	2.6	•	1.0	~ 0		10.	.2	2.	0.	6.3	•	•	0	S	0.6
	FREQUENC	WIND S 22-33	22.2	2	80	309	4																								
	ERCENTAGE	11-21	38.0	8	6	m	•		(EIGHTHS)		HEAN	COOD	X	7.1	•	• •		7.5	•	•	•		•	•	•	•	•	•	9.4	•	
	PER(	4-10	26.4	-	-	<b>S</b>	•			_		AL	ر م	20	77	200	26	30	25	67	3.0	(n)	38	59	56	93	0,0	0	•	80	•
		1-3	9.0		5.1		•	<b>s</b> n	AL CLOUD AMOUNT	ECTION		TOT		10	. ,	<b>.</b>	10	80	o (	<b>v</b> -	. 0	•	_	4	,	•	<b>.</b>	<b>.</b>		•	10
3-1970		HDUR	6639	615	123	55	;	ABLE	CLBUD	D DIREC		3 8 5		4.0	<b>→</b> ∢	<b>.</b>	_	m	~	J IL	· ^	m	7	2		. 2	_		r	J. (	<b>U</b>
194		1	00	12	18	<b>-</b> -	•	-	TOTAL	BY WIND		5-7		3,1	•	• •	•	1.2	•	•			•		•	•	•		• 0	₽.	•
(PRIMARY) (OVER-ALL)									0 PF 1			3-4		w.		. ~				2 "	6		1.5	•	•	0.0	•	2 (	. u	0	<b>6. 6</b>
									T FRE			0-5		2.				0						•						3	
PERIOD									29			WND DIR		z	2 2 2	E N	, w	ESE	S C	200	ESS	XS	MSM	*	N.	3 : Z	3 d Z d	X		200 100	2

MARCH

AREA 0009 ADAK 51-55N 172-180W TABLE 7 (PRIMARY) 1943-1970 (DVER-ALL: 1901-1970

CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH 24/8) AND VSBY (NH)

1

*

TOTAL NUMBER OF OBS: 592

PCT FREQ NH <5/8: 22.0

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

TOTAL O 1 2 3 4 5 6 7 8 OBSCD OBS C2.2 1.2 3.4 8.1 6.2 6.2 12.0 11.4 41.5 7.8 643

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		PCT	3.0	400	5 1 1 U	6.2 5.4 11.6	12.2 23.1 35.4	34.6	100.0
		TOTAL	19 9 28	909	35 17 52	57 50 107	113 214 327	985	925
		CALM	0.1.1	000	000	000	000	0.80	80 0
M 00	_	VAR	000	000	000	000	000	000	00
ADAK 172-180W	PRECIPITATION	Z	202	m 0 m	404	 	1.9	2.1	53
9000 55N	RECIPI	2	000	2	200	040	1.5	2.1	4 . 4 . 9
AREA 000 51-55N	90	Z	000	4 40	44.0	0 m m	10.0	2.1	+ + +
	URRENC	3	707	4 4 10	444	4	1.1 2.6 34	6.6 7.6	9.4
	JR NON OCCURRENCE VISIBILITY	MSM	1.0.1	₩ 4	12.6	2,1	2.2	3.6 3.6 3.6	69
		34 S	0.1.1	101	4		1.5	1.5	57
ш. 80	OCCURRENCE	NSS	0.1.1	1.12	000	4 4 4	1.4	2.1 2.1 21	4 4 4 8
TABLE	VS	S	-26	ห่น้น	404	0.01	1.1	3.5	3. 4. 8
	TECTION	SSE	000	4 10 0	0	400	1.3	1.2	47 5.1
	910	SE	-0-	0.11	21.6	4 W L	1.2	1.7	53
	OF WIND	ESE	0,00	440	wow	940	 8.0 10	2.1	51
	FREQ	w	440	v w œ	440	1.0	1.1	2.3	7.9
	PERCENT	ENE	wow	-0-1		4,44	1.2	1.0	20.
19+3-1970 1901-1970	_	W Z	404	200	404	400	1.2	2.3	56
		NN	-0-		0.1.1	440	1.2	1.07	9.8
(PRIMARY) (OVER-ALL)		z	-0-1	244	4100	1100	2.9	1.9	9.1
PERIODI (PR)			PCP NO PCP TOTAL	TOTAL PCT					
PER		VSB√ NE	<11/2	1/241	142	2<5	5<10	10+	

*

Table   Tabl				PCT	-	4.	1:0	2.3		1.2	000	-	1:1	2.1	5.5	.7	3.7	2	12.1	1.7	14-1	11.3	1	10.8	9.7	•	100.0
Table   Part				TOTAL	7	2	14	32	2	16	27 69	2	15	50	72	10	37	75	166	23	194	155	22	149	134	•	85
TABLE   1901-1970				CALM	7.			~4	•		0	•			0	7.			-			4			=	:	1.2
PERCENT REPORT SALES OF MIND CAREER 9  PERCENT REG OF WIND DIRECTION VS WIND SPEED  WITH VARYING VALUES OF VIND DIRECTION VS WIND SPEED  WITH VARYING VALUES OF VIND DIRECTION VS WIND SPEED  WITH VARYING VALUES OF VIND SPEED  WITH VARYING VALUES OF VIND DIRECTION VS WIND SPEED  WITH VARYING VALUES OF VIND SPEED  WITH VALUES OF VIND SPEED		<b>1</b>		VAR	ů.	0	•	••	0	•	00	•	•		0	•	00	•	0	0.0		••	Q	00	0.0	>	00
Table		ADAK 172-18		X	•	•	•	۰ ۵	7	0 0		•		. 0	N	0	77	•	4	4	30	30	Ç	20.1	4.0		5.5
HARCH KIUOI (PRIMARY) 1943-1970  FERCENT FREG OF WIND DIRECTTON VS WIND SPEEK HITH VARYING VALUES OF VISIBILITY KTS  KTS  N NNE NE ENE E SS SS SS SS SS NS NS NS NS NS NS NS NS				Z	•	0	7	• <del>-</del>	0	. 0	0.0	•	-:-	::	m	7.	.2.	٠.	12	∹'	. 0.	2.5	o,		4.0	}	6.4
TABLE 9  (GUVER-ALL) 1943-1970  NINE NE ENE ESE SE S		AREA 51-5	۵	N.	•	•	o.	ဂ္ဝ	•	٠, ۲	jon	•	0.	:0	8	•	<b>:</b> -	.2	'n	٠.	. •	4.4.	7	40	4.5	}	51 3.7
SPD (VER-ALL) 1943-1970  SPD N NNE NE ENE E SS			D SPEE TY	*	•	•1	7	٥'n	•	٠, ۲	,00	•		::	1	•1	?:	.2	10		1.0	48	7	2.2	6.5	•	124
SPD (VER-ALL) 1943-1970  SPD N NNE NE ENE E SS			VS WIN	S	0.	•	7	.1	•	-	.4.	•	۲.	::	Ŋ	.1	7.	4	11	÷.		36	0	1.4	1.5	!	0 •
RIDD: (PRIMARY) 1943-1970  SPD NNE NE ENE ESE SE S			CTION OF VI	S	•	•	0	-:-	•	0 0		7.	:-	. 4	٥	•	ش س	<b>.</b>	12	÷	1.2	¢. 0	7	1.2	7.		9.9
RIDD: (PRIMARY) 1943-1970  SPD NNE NE ENE ESE SE S	H		D DIRE VALUES	MSS	0.	c.	1.	• ~	•	• -		•	0.0	• -	-	0	<b>::</b>	4	oc.	•	.0	27	•		4.6		5.7
RIUDI (PRIMARY) 1943-1970  SPD N NNE NE ENE E ESE SE SI STATE DE LA CONTRACTOR NATOR	MAR	TABL	OF WIN	s	•	•1	7	- m	0	0.7	40	•	4.	. 7	•	•	77	4	11	٠,	1:3	33	0	1:1	1.1		105
SPD NNE NE ENE ESE SE NT NT			E	SSE	•	•	7	.2	0	: 7	ü۲	•	:-	::	М		?:	u.	o.	•		22			.1		4.7
SPD NNE NE ENE E ESE (CUVER-ALL) 1901-1970  SPD N NNE NE ENE E ESE (CT-10)			Z	SE	•	0	0.	-: -	0	• •	:	•	0-	::	9	•		5.	13	٠.	6	. e	2		37		• 00
SPD NNE NNE ENE ENE KTS OF THE FORE TOTAL SPECIAL SPOT SPOT SPOT SPOT SPOT SPOT SPOT SPOT			۵.	ESE	•	•	-	۰ ۸	0.	7 -		•	0	. 2	9	0	::	9	=		4			40	9.6		4.4
SPD (PRIMARY) 1943-1970 (UVER-ALL) 1901-1970 (UVERAALL) 1901-1970 (UVERA				w	•	-	∹.	••		- (C)	m 0	•	-:-		٥	0	20	• 5	8	•		33	-		. 4		→ •
SPD N N N N N N N N N N N N N N N N N N N				ENE	0	-:	٠.	- m	0.0	? :	0.7	0.	0		7	0	7.7	4.0	•	٠,٢	~	200				,	•
SPD N N N N N N N N N N N N N N N N N N N		1970 1970		Ä	•		•		0.0	? -	04	.1	<b>-</b> -	: -:	S	7	4.	7:	12	•	• •	36	7	• •	6.4		7.6
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1943- 1901-		NNE	•	0	٠ •	. 2	0	<u>,</u> .	٠,٦	•	2.0	•	m	7	::		٥	٠, ‹		30	0	99	1:1		n •
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		MARY) R-ALL)		z	0	•		. 7	∹.	::	ښ۲	•	- 4	7	•	7	71.	5	41	1.4	1.6	4.4	~	40	7.2	•	•
0				SPD	0-3	01-4	11-21	TOTAL	0-3	11-21	22+ TOTAL	0-3	4-10	22+	TOTAL	0-3	4-10 11-21	22+	IUIAL	0-3	11-21	TOTAL	0-3	4-10 11-21	22+ Total		PCT
		PERIO				7							7			ţ	0							<b>†</b>			

~

MARCH

MARCH

PERIODS

592

126

248

218

95

53

TOT PCT

592 100.0

304

181

66 11.1

12 2.0

12

2.9

TOT PCT

158 133

16.5

48.1

5.3

18621

133

48.1

32.3

14.3

1.5

2.3

1.5

18821

,

154 147

				CALM		•		TOTAL OBS	286 269 150
			TEMP	VAR	0000000	•	HOUR	HEAN	9999
			BY	Z	94.00				44.52
	M 08		RECT 10	3	2.56	-	HUMIDITY BY	90	31.2 4
	ADAK 172-180W	E 14	IND DI	S	10.00	13.0 E 16	RELATIVE H	w	
	AREA 0009 51455N	TABLE	Y OF W	S	94. 14. 14. 14. 17. 17.	TABLE	OF RELA	70-79	16.4
	AREA 514		FREQUENCY OF WIND DIRECTION	SE	04441040			69-09	- 50 4 4 6 50 5 4
				ш	12.00	7.61	FREQU	30-59	2.0
			PERCENT	Ä	1	•	PERCENT FREQUENCY	0-29	0000
				z	1.000.11.	7.11	•	HOUR (GMT)	00609
MARCH			Ş	FREQ	21.0 55.3 18.6 9.8 100.0				
				101AL 0 0BS	201 529 178 178 95 7		HOUR	TOTAL OBS	405 366 274
			BY TEMP	90-100	0 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		F) BY	HEAN	37.2
				80-89	15.0		P (DEG	ZI K	6866
		m	E HUMIDITY	70-79	4 L U L L	•	OF TEMP	18	223
		TABLE 1:	RELATIVE	69-09	22.00.00			2%	228
	1943-1970 1901-1970	-	L.	50-59 60-69 70-79	0,40000	TABLE	PERCENTILES	502	76 76 76 76
	1943		FREQUENCY	30-37 40-49	0		AND	95%	4 4 4 4 W % O C
	(PRIMARY) (OVER-ALL)		ENT FR		0000000	•	XTREME	<b>\$</b> 66	4444 W40W
			PERCENT	0-29	0000000	•	MEANS, EXTREMES	MAX	4444 0040
	PERIODI			TEMP F	45/49 40/44 35/39 30/34 25/29 20/24 TOTAL		Ī	HOUR (GMT)	00603 06609 12615 18621

ADAK 172-180W	(WITHOUT PRECIPITATION) F)																						
	RECIPI	P 0 0		٠.	•	1.4	2.8	2.7	5.5	5.7	12.3	9.0	12.8	7.0	7.1	7.3	5.4	7.7	3.4	3.6	1.2	778	95.7
AREA 0009 51-55N	IOUT PI	3 D	•	7	~	7.	٠.	•	۳,		*	~	•	~:	∢.	٦.	•	•	•	•	•	35	4.3
	FOG	101	1	•	2	13	24	25	49	52	104	75	109	58	61	9	44	63	28	53	10	813	100.0
	9	4 4 80 80	•	*	•	•	•	•	~•	•	٦:	•	•	•	•	•	•	•	•	•	•	'n	9.
	AND THE OCCURRENCE PERATURE DIFFERENCE	44	7	4.	~	1.1	1.5	1.2	1.8	ĸ.	1.1	9.	.7	۲.	.2	•	•	•	•	•	•	4	4.4
11	E OCC	37	c.	0	•	.,	1.5	1.8	3.6	5.5	9.6	6.2	4.9	5.6	1.8	1.4	3	• 5	•		•	327	40.2
TABLE	ND THERATU	99	•	٥.	٥.	•	•	•	'n	.2	2.0	2.5	7.1	4.3	4.2	6.4	3.1	2.7	'n	٠.	•	564	32.5 4
	E E	32	•	•	•	•	•	o	o.	-	•	•	•	7	1.2	1.1	1.8	4.4	1.6	•	•	16	11.9
	(DEG R-SEA	28	•	•	•	•	•	•	•	•	•	•	0	o.	•	•	•	4	1.4	1.5	٠.	30	3.7
	ATURE VS AIR	21	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10	1.2
	TEMPERATURE VS AI	17 20	•	•	•	•	•	•	•	•	•	•	0	•	•	•	•	0	•	•		-	-:
	OF AIR	AIR-SEA TMP DIF	9/10	1/8	•	'n	4	m	2		0	7	-2	6-	4	17	9	-1/-8	-9/-10	-11/-13	-14/-16	TOTAL	PCT
970 970	PCT FREQ																						
1943-1970 1901-1970	<b>a</b> .																						
PERIOD: (PRIMARY) (OVER-ALL)																							
PERIODI																							

ADAK 172-180W

AREA 0009 51-55N

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

1 1 2 2

moooooooooooooo

11-21

m...... 

1

350

	ADAK 172-180W																							
	AREA 0009 51-55N																							
			TOTAL	9	22	20	4	42	37	11	~	0	7	m	0	0	0	0	0	0	0	0	534	100.0
		(FT)	484	•	•	•	•	•	4.	•	•	4.	6.	•	•	•	•	•	•	•	•	•	4	1.7
MARCH	( LN	HEIGHT	34-47	•	°.	•	4.	4.	4.3	6.	2.1	1.7	6.	1.3	•	•	°.	•	•	•	°.	•	28	12.0
Æ	18 (CONT)	VS SEA	22-33	٥.	•	1.7	2.6	0.9	8.9	2.6	6.	1.3	1.3	0	•	•	٥.	°.	•	•	•	•	54	23.1
	TABLE	(KTS)	11-21	•	3.4	0.0	12.4	11.1	4.3	1.3	•	4.	•	•	•	•	•	•	•	•	•	0	96	41.9
		SPEED	4-10	1.3	2.1	10.7	1.7	4.	•	•	•	•	•	ó	0.	•	•	°	•	•	•	o.	45	19.2
		MIND	6-0	1.3	6.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	5	2.1
			нст	\$	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT
	1963-1970																							
	(PRIMARY) (OVER-ALL)																							
	PERIODI																							

	71-86	•	0	0	Ó	ζ,	ò	0	0	•
	1-70	•	•	0	•	•	•	•	0	•
	49-60 61-70 71-86	•	•	•	•	•	•	•	0	•
_	7 87-1	•	•	0	•	•	•	•	0	•
FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)	12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	•	•	•	•	•	•	o	0	•
R100 (S	26-32	•	•	•	•	•	•	•	0	•
AVE PE	23-25	•	•	•	•	•	•	o.	0	o
N SA	20-22	•	۲.	1:0		•	ď.	•	7	2.3
HT (FT	17-19	•	٠. د.	7.0	•	œ.	•	•	2	3.3
E HEIG	13-16		1.6	۲.	1.6			.7	18	5.0
JF WAV	12	•	1.0	2.0	1.3	۳.	•	•	14	4.6
UENCY (	8-9 10-11	<b>.</b>	2.3	5.0	5.6	٣.	1.0	•	26	8.5
FREQ	8-9	2.0	4.0	5.5	2.0	2.0	<b>.</b>	•	40	16.0
PERCENT	7	3.3	6.9	5.0	1.3	۳.	•	•	40	17.6
	2-6	4.9	6.5	3.9	<u>.</u>	۳.	•	•	48	15.6
	3-4	5.9	2.3	1.3	2.0	•	•	•	35	11.4
	•	_	_	_	_	_	_	_		_

1-2

SEC ) (SEC ) (SE

87+ TOTAL

		TOTAL DBS	40	28	41	82	35	99	53	4	62	90	116	135	63	82	70	0	18	1162	100.0
. 1 80€		TENA NO NO ENC ENC	2.5	3.4	1.5	0.4		2.8	•	4.8	3.4		6.7		4.1	4.8	4.0	•		750	64.5
ADA 172		HER PHENDME DUST BLWG DUST BLWG SNOW	00	•		•	•	•	•	•	•	•	•	•	•	•		•	•	~	.2
A 0009	NOI	<b>A</b> m m																			
AREA 51-	DIRECTION	골 축 주 첫		o	c	• 1	•	•	•	•	•		• 5	•	• 1	7	.1	•	•	14	1.2
	MIND D	P F D C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P C P N P	77		ů.	ů.	.2	m.	6.	٥.	.7	.3	'n		•		•	•	6	99	5.7
	8	THDR	00	•	•	•	•	•	•	•	0	•	•	0.	•	•	•	•	•	0	•
7	OCCURRENCE	TOTAL PCPN OBS	16	16	19	90	17	53	50	18	14	16	90	30	14	54	21	0	4	330	
TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME	1.0	•	1.6	•	1.5	•	1.7	1.5	•	•	5.6	•	1.2	•	•	•			28.4
		HAIL	7.0	•	•	•	•	•	0	•	•	•	ů.	•5	•	•	•	•	•	Φ	5.
	FREQUENCY	DTYPE PRES PCPN	•••	•	o.	•	•	•	•	•	•	o.	•	•	•	•	•	•	•	0	•
	ENTAGE	SNOW D	00	9.	1:1	1.2	-	1.0	ů.		.2	•	1.5	•	•	•	•	•	.2	168	•
	PERC	PRECIPI FRZG PCPN	20	•	•	0	0,	•	•	•	•	•	o	•	•	•	Ç.	•	?	0	•
		DRZL	w 0	•5	~	•	J.		1.1	'n	e.	~	~•		o.	m.	4.	•	٦.	2	0.9
1943-1970 1901-1970		SHAIN	9.0	•5	7	•	0	•	•	•		•	•	7	•	~•	-	•	•	17	1.5
		RAIN	6.4	4.	ů,		•	1.2			9.	•	٠. د		• 5	4.	7.	•	7	0	7.7
(PRIMARY) (OVER-ALL)		WND DIR	ZZZ	W W	ENE ENE	ш (	ESE	SE	SSE	S	SSE	I S	M SM	2	3 2 3	Z	Z	VAR.	CALM	TOT 085	TOT PCT
PERIODI																					

	0-4-4-9-0
TOTAL OBS	330 281 264 301 1176
JENA NO SIG	63 78 58 58 64 64 64
OTHER WEATHER PHENOMENA FOG SMOKE DUST NO WO HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	w040 N N
THER BLE	
SMOKE HAZE	1.1.1
FOOT FOOT FOOT N	0040 0 0000000
THOR	000000
TOTAL PCPN OBS	97 77 104 332
PCT FREQ PCPN AT OB TIME	2 3 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
HAIL	47.1000
TYPE UTHER FRZN PCPN	000000
SNOW	17.6 11.7 17.9 169 14.4
PRECIPI FRZG PCPN	000000
DRZL	4040 0
RAIN	3.19
RAIN	0000 C
HDUR (GMT)	00603 06609 12615 18621 70T PCT

21	~~~~~~				
	L 404 B W L	44444	2.7 22.1 100.0		
18	- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	v-4004400	221	1	4400-050-07-07
15	040 4 4	4040400	0000		10. 11. 11. 10. 10. 10.
12 12	B 11 4 0 4 4	61.02201V	0 <b>6 6 0</b>	18	14.00 112.7 112.7 114.00 117.00 117.00 117.00 117.00 117.00
•			01	15	24.0
	LW40L4L	404491454	1001	GMT)	108.1 108.1 118.0 128.0 128.0 128.0 128.0 128.0 128.0
0	@ 01 W 01 F 11 4	40 00 - 00	100.		001100NW 9100
<b>6</b>				¥ 90	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ww.4.0.0.0.4 w.4.4.0.0.4	440	Ø	4 10 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
S.			-		# # 10
				8	9.8 13.32 9.69 9.69 9.86 114.11 114.61 12.00 42.7
IRECT!	970000	0.0010040	٠.,		
	-40440	40150110N	ABLE	PD	F00044W-1000
2 4 K		404001000	01	# s	0 10 10 10 10 10 10 10 10 10 10 10 10 10
UENCY TOTA	1 2 8 2 3 4 4	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	104	P A	0 0 0 1 1 1 1 0
	0001101	044044000	11.0	rotal Obs	173 137 164 164 164 1645
CENTAGE S) 34-47	,, <i>u</i> ,	******	0.01.0	+1+	111111111111111111111111111111111111111
2-3 K	1,502682	400047100	22.1 22.1	(NDTS)	240044520 00
SPE -21	6111618 101618 101618	12112122222 431545590	.0 622 37.8	SPEED ()	WHWUUNN4 48
-10	2 11 2 1		. 4%	WIND	44444400 00
e.	4-100000		0444	9	121-1-1-1-1-1-2-2-2-2-2-2-2-2-2-2-2-2-2
DIR	NN			DIR	CANTER SET OF POT
	PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR WIND SPEED (KNOTS) 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN 085 FREQ SPD	MIND SPEED (KNUTS)  WIND SPEED (KNUTS)  DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN  WIND SPEED (KNUTS)  WIND SPEED (KNUTS)  HOUR (GHT)  DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN  WE -1 2.2 3.1 1.2 .2 .0 117 7.1 15.1 6.8 .0 8.1 7.1 4.8 20.0 7  WE -1 7 1.7 .8 .1 .0 56 3.4 16.8 3.0 3.4 2.2 3.0 3.2 4.0 6.0 8  WE -2 1.9 1.8 .6 .1 .1 56 3.4 12.9 3.3 3.4 2.7 6.1 2.4 .0 3  WE -2 2.4 3.5 1.0 .2 .1 121 7.4 15.2 9.8 8.6 7.6 7.1 4.0 4.0 5  WIND SPEED (KNUTS)  HOUR (GHT)  HOUR (GHT)  HOUR (GHT)  HOUR (GHT)  12 1.2 .2 3.0 12 15 15 15 15 15 15 15 15 15 15 15 15 15	DIR 0-3 4-10 11-21 22-33 34-47 48+ TOTAL PCT MEAN 00 03 06 09 12 15 15 15 16 12 12 12 12 12 12 12 12 12 12 12 12 12	PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR (GHT)    1	DIR 0-3 4-10 III-21 22-33 34-47

													TOTAL OBS	58	28	36	62	21	4 (	0 <b>4</b> 0	4	52	82.	* 0 V	0 1	52	0	<b>60</b> (	100.0
										>4/8)			NH <5/8 ANY HGT	1.5	•	2.1	•	•	•	• •	•	2.5	•	•	•	•	•	• (	27.4
180%										(FT.NH >		20	8000+	•	•	20	•	0	• •	0	•	•	o c	•	•		•	•	u 4.
ADAK 172-18											10.01	DIRECTION	6860	4.	•	0 0	•	•	o c	•	•	•	o c		0	• 5	o.	•	<b>.</b> •
A 0009										HEIGHTS	2		5000		•	• •	.2	•	0,0		•	•	• K		7	0	•	o o	1.1
AREA 51-		_	'n	01	<b>10</b>	W 10				CEILING	0	/0 0/	3500	3.	•	4 0	-		o c		4.	'n,	•		့	4	•	1.	 
	_	TOTAL OBS	4	420	7.	1 4 4	)		9	9	1	Ç	2000	1.7	4	• .	1.6	4	0.0			1.3	•	• •	1,3	•	•	• 4	16.1
	(GMT)	PCT	8	100.0	38	3	100.0		TABLE	FREQUENCY		בארם סו	666	2.1	•	4 4	1.6	•	2.0	•	•	1.3	•	•	•	•	0	• 0	7.0
	Y HDUR	MEAN	7	16.2			•				40 001.0	UC URRER	600 1 999 1	-2		u 4	1.6	.1	40	1.2		4.0	•	1.0	•	'n.	0	0 6	-
4	PEED 8	CALM	•	3.1	•	. 4	2.4			ERCENTAGE			300	0	٦,	- 0	2.	2.	N C	0	4.	•	2 -	: -:	.1	٠. ۵	•		1.8 1
TABLE	MIND S	KN015)	1.0	, ,	•	17	1.0			PE			150	.1	•	0.0	0	•	2.0	2	0.	٥.	•	. 0	0	•	0	0.5	1.2
	0 F	PEED (	8.2	4.4		106	4.0						000	٠,	٦.	• •	6	ů.	9.	1.2	6.	4.	0.4	0	.2	4.	ပ္	7 4	7.9
	FREQUENCY	WIND S 22-33	4	20.2	•	36	•																						
	ERCENTAGE	11-21	5	36.2	•	62				(EIGHTHS)		EAN	LOUD	•	•	٠٠ <b>٠</b>	•	•			•	•		•		•	•	. v	•
	PERC	4-10	6	29.0		4.1	•					Σ	AL CL S CO	88	80 4	21	25	~ .	0 i0	9	ç	25	0 4	60	51	25	<b>5</b> 6	د	0
		1-3	ď.	4 t	•	82	0			TOTAL CLOUD AMOUNT	NOTE		TOT 08										-	•				α	100
-1970		HDUR	6030	6609	7 7	170	CT.		TABLE 5	CLOUD	NOTE OF BLACK ON THE		8 & JBSCD	3.6	•	7.	•	•		•	•	0, u	• •		•	•		. C	
1943		Ī	00	90	1 -	- -	<u> </u>		-	TOTAL	Z > 0		5-7	2.9			1.7	•	. 6	•	•	7.0	• •	•	•	•		• •	32.4
(PRIMARY)										Q 0F	•		3-4			י מ			• •		9.	•	2.6	•	•	4.0	•	9.4	10.6
										CT FRE			0-5	-	•	1.0	.5	4 (	2 0	7	7	4 r			0.			109	
PERIODI										2			N O O N	Z	Z Z	E S	ш	ESE	SSE	S	SSS	E E	: n :3	ZZ	3 7	3 o Z Z Z	4 -	đ	TOT PCT

ADAK 172-180W				
ADAK 172-				
AREA 0009 51-55N		8 0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	265
	NCE	• DR >50YD	74.00 42.00 42.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00 44.00	589
	SBY (NH.	- OR	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	577
	DF SIMULTANEDUS DCCURRENCE (MH >4/8) AND VSBY (NH)	) - OR >1/2	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	264
TABLE 7	OF SIMU	VSBY (NH)	0 1 0 4 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	550
	CUMULATIVE PCT FREG OF CEILING HEIGHT	• 0R	0450404010	526
	ULATIVE F CEILIN	• 2 2 5	00000000000000000000000000000000000000	450
	NO O	* 08 V10	200711911 2009211911	238
1943-1970 1901-1970		CEILING (FEET)	00000000000000000000000000000000000000	TOTAL
PERIODI (PRIMARY) (OVER-ALL)				
PERIODI				

TABLE 7A PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

PCT FREQ NH <5/8: 27.6

818

TOTAL NUMBER OF 085:

08S	920
098CD	6.8
•	36.0
7	11.0
•	11.7
<b>80</b>	7.3
4	7.8
M	7.4
N	6.1
~	2.4
0	3.5

					4.5	4.4.8	28.9	32.0	100.0
		TOTAL	111 31 42	3 8 4 3 4	34 18 52	109 63 172	111 336 447	44 372 416	1163
		CALM	0 m 4	•••	000	w.o.w	<b></b> w n	ono	18
M O		VAR	000	•••	000	000	•••	•••	00
ADAK 172-180W	PRECIPITATION	N	•••	112	126	7.16	1.7	2.1	0.9
0000 5N	RECIPI	Z.	-:0-	404	000	יט ייט ס	1.0 2.2 38	3.5	84
AREA 0009 51-55N	9	N N	464	-:	1104	440	1.2	2.8	5.5
	OCCURRENCE OR NON OCCURRENCE NG VALUES OF VISIBILITY	*	öűn	11.2	w 0.4	11.2	5.5		132
	R NON OCCU	MSM	21.6	404	1:12	4.4.0	4.6	 64.6	115
	E OR N OF VIS	NS	000	444	31.6	9.5.6	2.5	2.1	80
80 11	URRENC	Nes	0 4 w	1.56	6.14	 0	3.0	05.1	63
TABLE	VS DCC	v	000	0,10		6.5.9	1.9	2.2	7.3
	RECTION VS OCCURREN WITH VARYING VALUES	SSE	46.0		4.5.2	5.	20.01	.9	52
	10	SE	4:5	40.0	6.1.2	7.46	1.1	23	5.8
	OF WIND	ESE	7:17	200	m N 0	7.3	4.00	74.5	36
	FREQ	w	044	w.04	2.1.0	1.0	23.2	2.4	81
	PERCENT	ENE	-1.2	400	4.16	7.00	ww.	1.2	41
1970 1970	•	NE	3.51	.0.1	m 0 m	40.	1.9	1.1	5.0
1943-1970 1901-1970		NNE	0.1.1	000	224	7.1.2	1.3	.2 .8 11	3.4
(PRIMARY)		z	-0-	-0-1	0.1.1	27.4	2.0	2.5	6.6
			PCP NO PCP Total	PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO FCP TOTAL	TOTAL PCT
PERIODI		VSBY		1/2<1	142	5<2	5<10	10+	

•

			PCT	40000	1.56	411.57.72	164461	14.0 14.0 19.0 19.0 19.0 19.0	3.4 16.1 7.4 39.1	100.0
			TOTAL	100 110	# 2 1 0 W	12 22 24 67 67	16 52 76 77 221	38 130 231 226 625	25 201 253 121 640	1635
			CALM	ý 4	• •	· •	ئ. ھ	1.0	. 7.	40
	<b>X</b>	-	VAR	00000	00000	00000	00000	00000	00000	00
	ADAK 172-180		Z	00000	01012	00444	1.52	3.90		90
	9000 55N		Z	0.1007	77020	00000	20000	11.00	1.00	150
	AREA 51-	E0	3 2 3	00-0-	-000-	44464		04000	1.5.1	94
		SPE	3	0110	00110	04442	44466	2.00	111 00000 0000	178
		VS WIND	RSE	00-174	00117	01074	01241	14.6.80	51.9.40 21.9.40	143
		ECTION S OF VI	AS.	00000	00444	0	410.64	111.040.60	10000	107
APRIL	т. 6	ND DIRE	MSS		00178	0014	021142	04000	77.97.9	78
AP	TABLE	DF WIN	S	04107	10010	01114	0.1760		1.22.4	109
		T FREG	SSE	0.400.0	00044	00198	02672	-04-6	2.0061	69
		PERCEN'	SE	00078	00170	01000	126625	77995	3.00	5.7
		_	ESE	0.0.0.0	00117	71510	01477	14476	11412	3.3
			ш	00-00	00-144	1140%	08472	9.1.04	5.2.1	120
			ENE	11000	00778	01114	64400	-46-4	75.012	3.4
	-1970		N N	00114	00110	11014	12210	- 0. es u. u.	21.6	81
	1943		N N	01010	00000	01114	000446	06798	2.17	3.4
	IMARY) ER-ALL)		z	0.000	00011	00101	7.8.10	40004	11.4	116
	ERIODI (PRI		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL PCT
	PERI		VSBY (NH)	<1/2	1/2<1	142	2<5	5<10	10+	

.

ADAK 172-180W		TOTAL OBS	237	197	195	216	100.0
AREA 0009 51-55N	Q	NH <5/8 ANY HGT	30.0	32.5	28.7	27.3	250
A &	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8), AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	70.0	67.5	71.3	72.7	595
	EET, NH 3	\$0008	•	•	s.	6.	พล์
	HTS (FI	6500	4	'n	•5	6.	200
10	G HE I G	5000	2.1	•	1.0	6.	1.1
TABLE 10	CEILIN CE OF	3500	6.9	6.1	4.6	3.2	5.1
	CY DF CURREN	2000	13.1	14.2	13.8	20.8	131
	REQUEN	1999	11.8 27.8	2.5 11.7 23.9 14.2	2.1 8.2 27.2 13.8	11.6 25.0	92 220 131 10.9 26.0 15.5
	CENT F	009	11.8	11.7	8.2		92
	PER	300	œ	2.5	2.1	1.9	15
		150		1.5	1.5	6.	10
1970 1970		000	6.8	7.1	11.8	6.5	7.9
1943-		HOUR (GMT)	60300	60390	12615	18621	PCT
PERIOD: (PRIMARY) 1943-1970 (OVER-ALL) 1901-1970							
PERIOD:							

	AND/OR	TOTAL OBS	226	193	191	208	818
	BY (NM) BY HOUR	NH <5/8 AND 5+	25.7	30.6	25.7	23.1	214
2	CUMULATIVE PCT FREQ DF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	1000+ AND5+ A	43.4	39.4	45.4	47.1	353
TABLE 12	OF RANG	<600 <1000 <1 <5	31.0	11.9 30.1	17.3 31.9	12.0 29.8	105 251 12.8 30.7
	FRED	<b>600</b>	10.6	11.9	17.3	12.0	105
	IVE PCT CEILIN	<150 <50YD	7.1 10.6 31.0	6.7	12.0	6.7	66 8.1
	CUMULAT	HOUR (CMT)	60300	60390	12515	18221	TOT
		TOTAL OBS	226	193	161	208	818 100.0
	M) BY HOUR	10+	50.9	45.1	45.5	4.6.5	278 386 34.0 47.2
-	(NM)	5<10	30.1	38.9	34.0	33.7	278
TABLE 11	CY VSBY	5<5	11.9	6.6	4.6	10.1	84 10.3
	FREQUEN	1<2	3.1	2.6	3.7	2.9	3.1
	PERCENT FREQUENCY VSBY (NI	1/2<1	2.2	1.0	1.6	5.4	15
	•	<1/2	1.8	3.1	5.8	4.3	3.7
		HOUR (GMT)	60300	60390	12615	18621	TOT

•

PERIOD: (PRIMARY) 1943-1970 (OVER-ALL) 1901-1970

AREA 0009 ADAK 51-55N 172-180W

		Į.	0	.3	6	6.	٠,	•	0	0	.7				ب			_	_	
		CALM	•	•	•	•	•	•	•	m	2.				TOTAL	338	290	157	323	1108
	d I	VAR	•	0.	•	•	•	•	•	0	ò			HOUR	HEAN	85	87	85	88	86
	BY TEMP	Z	7	4.	5.5	9.8	2.7	.5	• 5	178	16.2					7	•	œ	7	•
	NO I L	*	•	4.	~*	9.1	•				5.0 1			DITY	90-100	46.	52.	40	55.7	55
	OF WIND DIRECTION	3	0								-			RELATIVE HUMIDITY BY	80-89	43.4	29.7	32.5	26.3	301
LE 14	UNIND	S	•	•	3	6	1:1	•	•	15	13.7	u		ATIVE						
TABLE		S		.2	4.7	5.5	4.	•	•	120	10.9	1	4000		70-79	14	12	21	11.1	7
	FREQUENCY	SE	•		0.4	5.6	•	•	•	115	10.4			ACY DF	69-09	13,3	3.1	4.5	6.2	81
		ш	•	.2	5.4	7.2	•	•			3.4			FREQUENCY	30-59	2.1	2.1	9.	9.	16
	PERCENT	NE F	7	5				7.	•		• 0			INT F				_	_	_
	P.		ľ	•			1.2				00			PERCENT	0-29	٠	٠	•	•	0
		2		•1	1.0	5.7	2.5	e.	•	101	9.7				HOUR (CMT)	60300	06:09	12615	18621	TOT
	PCT	FREG	4.	5.4	26.6	57.4	12.1	1.1	•2	100.0										
	TOTAL	088	4	56	293	632	133	12		1102				HOUR	OTAL OBS	488	421	297	445	1651
	RELATIVE HUMIDITY BY TEMP	80-89 90-100	°				5.8	.7	•2	551	50.0			F) BY		38.7				
	ITY B	80-89		4.	6.6	15.5	4.3		•	299	27.1			(DEG		27				
	HUMID	0-19	•	6.	3.4	8.2		•			14.2			TEMP	1%	59	28	27	27	28
E 13	TIVE	50-59 60-69 70-79	•2	4.	5.9	3.4	٠,	•	•	80	7.3			ES OF	2%	34	2	ņ	2	7
TABLE		29 60	.1				٥.	•	0	16	5	E 15		PERCENTILES						
	CY OF	-05 6	0	0	0	0	0	0	0	0	0	TABLE			20%	39	38	37	37	38
	EQUEN	64-04	•	•	•	•	•	•	•	_	•			S AND	<b>3</b> 56	43	43	41	43	43
	AT FRE	30-39	0	•	o,	•	•	•	•	0	•			TREME	<b>3</b> 66	6	41	54	45	46
	PERCENT FREQUENCY OF	0-29	0	•	•	•	¢.	0	0	0	Ö			MEANS, EXTREMES		20	20	47	64	20
		TEMP F	50/54	2/49	54/0	2/39	0/34	5/59	97/54	DTAL	PCT			£	HOUR (GMT)	603	603	613	621	10

AREA 0009 ADAK 51-55N 172-180W

IPITATION) PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FIG

AT 10																								
PRECIPITA	QX	FDG	.3	*	1.2	.5	5.6	3.3	2.8	8.1	7.5	11.6	11.0	11.2	8.5	8.3	5.9	2.5	4.9	2.2	9.	•2	406	93.5
	3	FOG	-:	0	7	0	.2	6	1,1	1.4		1.1		m.		~	-:	7	~	•	•	•	63	6.5
FOG (WITHOUT	101																							
CE OF FOG NCE (DEG	64	52	.2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	7	.2
JRREN	45	48	•	e.	6	.2	9.	•	0	•	•	•	•	٦.	•	•		•	•	0	•	•	16	1.7
E OCCI	41	44	•2	•	6.	.2	1.6	2.2	1.8	3.5	6.	5.0	9.	.3	.2	• 1	•	• 1	•	•	•	•	142	14.7
ND TH	37		•																					
F) A	33	36	•	•	•	•	•	•	7	• 5	ċ	3.0	5.9	5.6	5.5	4.6	3.7	1.7	2.7		ė	7	303	31.3
(DEG	59	35	•	•	•	•	•	•	•	•	٦.	.2	e.	7	4	9.	6.		1.6	•	.2	•	51	5.3
TURE S AII	25	28	•	0	•	•	•	•	•	•	•	•	•	•	Ċ,	•	•	•	7	4	٦.	•	5	.5
EMPERA V	21	54	•	•	•	•	•	•	•	•	•	•	0	•	•	•	•	•	•	•	0	٠.	<b></b> 4	
REQ OF AIR TE	AIR-SEA	TMP DIF	11/13	9/10	1/8	9	50	4	6	7	-	0	7	-5	<b>-</b> 3	4-	-5	9-	-1/-8	-9/-10	-11/-13	-14/-16	TOTAL	PCT
~																								

	80M			TOTAL	0	o~ (	n -	•	4	• 0	0	0	0	0	0	0	0	0	0	0	0	0	_	6.1			TOTAL	7	*	→ (	7	<b>n</b> r	۰ -	• 0	8	0	7	0	0	0	0	0	<b>o</b> (	<b>ɔ</b> c	> <	8.1	
ADAK	172-18			48+	•	o c	, c	•		•	•	•	•	•	•	•	•	•	•	•	•	0	0	•	,		48+	•	•	•	•	•		0	0	•	0	•	•	0	°	•	•	•	•	•	
9000 A	51-55N	(FT)	Ä	34-47	0.	•			0	•	0.	•	•	ပ္	•	•	•	•	•	•	•	•	0	•		SE	34-47	•	0.0	•	•	•	9	0	4.	•	•	•	•	•	•	•	•	•	• -	4.	
ARE	51	HEIGHTS (		22-33	٠.	•	9			•	•	•	•	•	•	•	•	•	0.	•	•	o, c	C	•			22-33	0.	•	•	•	•	9	0	4	•		•	•	0.	•	•	•	•	•	3.7	
		SEA HE		11-21	•	***	4	4	4	•	•	•	•	•	•	•	•	•	•	0	•	<b>3</b>	01	4.1			11-21	•			•		C	•	•	•	•	•	•	•	•	•	•		•	2.8	
		VERSUS		4-10	•	7.1			•	•	•	•	•	•	c.	•	•	•	•	•	•	o,		0			4-10	*	*	•	•	•		•	•	•	•	0.	°	•	•	•	•	2 9		ω.	
APRIL	ABLE 18	DIRECTION		1-3	o.	•	• •		•	0.	•	•	•	•	•	•	•	0.	•	•	0.	o.	9	0.			1-3	*	•	•	•	•		•	•	•	•	•	0.	0,	•	•	•		•	4.	
A	TAB	(KTS) AND		TOTAL	m	, v	n 4	ي -	'n	-	0	0	0	0	0	0	0	0	0	0	0	0	•	12.2			TOTAL	٧.	٠,٠	<b>D</b>	4 0	<b>3</b> (4	1 4		0	0	-	0	0	0	0	0	0 (	<b>o</b> c	2,40	9.6	
		SPEED		48+	•	•	• •			•	•	•	•	•	•	•	•	•	•	•	•	•	0	•			48+	•	•	•	, ,	•	•	•	0	•	•	•	•	•	°	•	•	9 9	•	6	
		OF WIND		34-47	o.	•	•	4		•	0.			•	·	•	•	•	•	•	•	•	<b>-</b>	•			34-47	•	o.	•	•	•		4.	0	•	4.	•	•	•	•	•	•	9	•	1.6	
		FREQ	z	22-3		• ·	• •	ο α.	1.6	•	•	•	•	•		•	0	•	•		•	0,		3.3		w	22-3	•		•	•	•	4	0	0	•		0	•	•	•	•	٠.	0 0	-	4	
	02	PCT			•		• •	•														• :	→				-	•	•	0.7	•		•	0	0	•	•	•	•	•	•	•	o o	•	- "	5.3	
	1963-1970			4-10	•	• <	. 0	G	•	0	°.	•	•	•	•	0.	0	•	•	•	•	0,1		2.0			4-10	•	•	7.1	•	•	0	0	•	•	C.	0.	•	•	0	•	٠, «	9 0	, m	1.2	
1ARY)	(OVER-ALL)			1-3																		o.	<b>o</b>	•																	•			•		1,2	
PERIOD: (PRIM				HCT	₹.	7=T	20 00	-	8-9	10-11	12	13-16	-1	2-0	3-5	6-3	3-4	1-4	9-6	1	9-1	<b>®</b> (	INIAL	PCT			HGT	7.	7-7	4=6	2,0	- 4	10-11	12	3-1	7-1	0-2	3-5	6-3	3-4	1-4	9-6	01-10	87+	TOTAL		

i

	AKEA 0009 ADAK 51-55N 172-180W
APRIL	TABLE 18
	(DVER-ALL) 1963-1970

(FT)
HEIGHTS
SEA
VERSUS
DIRECTION
AND
(KTS)
SPEED
MIND
OF
FREQ
FCT

																							GRAND	TUTAL		4		7	9 6	23	0	01	-1	ø	7	0	o	0	0	0	0		246	•
	TOTAL	۰,	۰ م	•	2	4	9	7	m	0	8	0	0	0	0	0	0	0	0	40	16.3		TOTAL	-	• 0	13	2	0	m	m	-	0	0	0	0	0	0	0	0	0	0		34	13.8
	48+	0.0	•	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•		484	0.			0	0	0	•	•	•	•	•	•	0	•	•	•	•	•	0	0	•
Ę 3	34-47	0 0	0	•	0	0	4.	4.	•	•	•	•	•	0.	•	•	•	•	•	7	8	37	24-47	•		0	4.	0	0	o,	•	•	0	•	•	0	0	0	•	•	•	0	7	4.
HEIGHTS (		o 0	•	•	2.4	80.		•	1.2	•	₩.	•	•	•	•	•	•	•	•	19	7.7		22-33	0	•		4.	4.	•	8	4.	•	•	0	•	•	•	•	•	•	•	0,1		2.8
SEA HE	11-21		4	0	1.6	•	1.2	•	·	•	•	•	°.	•	•	•	•	•		16			11-21	0		2.8	•			4.	•	·	•	•	•	•	•	0	•	•	•	0!	17	6.9
VERSUS	4-10	0 0	4	•	0	0.	•	C.	•	•	•	°.	°	•	•	°	•	°	•	n	1.2		4-10	4	7	1.6	•			•	•	•	0	•	0		•	o (	•	•	c.	0		3.7
DIRECTION	1-3	•	0	0	•	•	0	•	•	•	•	•	•	•	•	•	•	•	•	0	•		1-3	0.	c	•	•	•	•	•	•	•	•	•	•	0.0	•	•	•	•	•	٠,	0	?
AND DI		- K	٠ ~		•	•	~	<b>.</b>	•	<u> </u>	-	_	0	0	0	0	0	0	0	7	0			0		٠	•	2	•	•	_	N	<b>.</b>	<b>.</b>	_	0 (	<b>.</b>	<u> </u>	<b>.</b>	•	0	<u> </u>	•	~
(KTS)	TOTAL		•		•		. •	-•						_	_					m	15.		TOTA		•	-	,	•		Ĭ													4	18.
SPEED	+8+	•	•	•	•	•	0		•	•	•	•	•	•	•	•	•	•	•	4	1.6		48+	0	•	•	•	•	•	•	•	•	•	•	•	•	÷ (	ė.	•	9	•	•	0	•
OF WIND	, ,					4.		4	4.	•	4.		•	•	•	•	0	•	•	9	5.4		34-47	0									•	•		•				•	•	٥,		2.0
FREQ	-22	2	0	•	2.0	4	4.	æ (	0	•	•	0	0	•	0	•	•	•	•		3.7	38	22-33	•	0	0	•		2.0		4.	4.	*	0	•	o c	٠ •	٠,	•	•	0.	• ;	→	5.7
FCT	11-21	2 4	4	2.4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		3.7	_	11-21	•		3.7	•	•	•	·	•	•	•	•	•	o c	÷ (	•	•	•	•	0 2	7	œ
	4-10		•	80.	0	4	•	•	•												3.7		4-10	•	80	80	•	•	4.	•	•	•	o c	•	•	0,0		•	•	•	•	· "		2.0
	1-3	2 -	•	•	•	•	•	o.	•	•	•	•	•	0	•	•	•	•	•	0	•		1-3	•	0	0	•	•	•	•	•	•	•	•	•	o c	•	•	•	•		•	Э (	0.
	HGT		3-4	5-6	-	8-8	10-11	77	13-10	- (	7-0	7-6	0	3-4	1-1	01	1	1 1	8	TOTAL	PCT		HGT		•	3-4		~	8-9	0	12	3-1	1 2	3 - 6	7=0		1 1	* 1	100	1	1 0	404	58	9

4

4.5

HEAN HGT HGT 111 100 80

87+ TOTAL

108 48 22 22 44 944 100:0

000000000

	ADAK 172-180W																							
	AREA 0009 51-55N																							
			TOTAL	16	48	43	28	36	31	23	٥	10	-	•	7	0	0	0	0	0	0	0	253	100.0
		(FT)	48+	•	•	•	•	•	•	•	00	80	•	•	•	•	•	•	•	•	•	•	4	1.6
APRIL	( L	SEA HEIGHT	24-47	•	•	•	4.	4.	4.	2.8	1.2	1.2	•	8.	8.	•	•	•	•	•	•	•	20	7.9
AP	18 (CONT)	VS SEA I	22-33	•	•	1.2	2.4	7.5	5.5	4.3	1.6	2.0	4.	1.6	•	•	•	•	•	•	c.	•	67	26.5
	TABLE 18	(KTS) VS	11-21	•	13.4	10.3	7.1	5.9	4.7	2.0	•	•	•	•	•	•	•	•	•	•	•	•	110	43.5
		SPEED	4-10	5.4	5.5	5.5	8.	4.	1.6	•	•	•	•	•	•	•	•	•	•	•	•	•	41	16.2
		MINC	0-3	4.0	•	•	4.	•	•	•	•	•	0.	•	•	•	•	•	•	•	•	•	11	4.3
			НСТ	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT
	1963-1970																							
	PERIOD: (?RIMARY) (OVER-ALL) 1963-1970																							
	PERIODI																							

000000000 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 000000000 000000000 200000000 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 000000000 00000000 00000000000 210011 0,0000041 22.000.000 8-9 10-11 0.741100 Fe 4.4.4.00 B V 7 444 24000000

> 12.3 1.1 0.0 0.0 0.0 13.6

(SEC) (SEC) (6 6-7 6-7 (6-1) 10-11 12-13 >13 INDET

TABLE 19

*		NA TOTAL SIG OBS WEA	-		100 100 100 100 100 100 100 100	533 1730 •• 100 •• 100	NA TOTAL SIG OBS WEA	4 4 4 3 7 4 5 3 4 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3
ADAK 172-180W		HENDMEN T DUST S SNOW WI				111	R PHENDMENA DUST NO WG DUST SI WG SNOW WE	69.6 67.1 66.6 63.9
AREA 0009 A 51-55N 1	NO	MEATHER PHENDHENA MOKE DUST NO HAZE BLWG DUST SI BLWG SNOW WE	••••			2-7	THE BL	0000
AREA 51-	WIND DIRECTION	ER WEA Smoke Haze	44,00	.44444	,0	1.6	ER WEA SMOKE HAZE	1.1
	NIND D	OTHER FOG SP MO T	. <b></b>	4444	*******	900		9.8 11.6 7.8 9.9
	¥	THDR	-0000	000000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THDR	0000
<b>-</b>	OCCURRENCE	TOTAL PCPN 085	22 22 26 26 26	0 4 8 4 0 1	- 0 2 3 3 8 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	380		82 83 106 111
TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME	ተ በተተ	121211	444 4 640084700	22.0 7A	PN P	18.2 19.7 24.3 25.1
		HAIL	-00	00000		2. 2	HAIL	0444
	FREQUENCY	TYPE OTHER FRZN PCPN	00000	000000	000000	27 1.6 .0	TYPE OTHER FRZN PCPN	0000
	RCENTAGE	SNDW C		00::0:		27 1.6	TATION SNOW C	1.6
	PERC	RECIPI FRZG PCPN	00000	000000	000000		RECIPI FRZG PCPN	00000
		DRZL		<b>ໝ</b> ື່ໝື່ນ ໝໍ່ວ່າ ຜູ້	, www.woo	4. 74.	DRZL	8.8
-1969 -1969		RAIN		-0-1700		1.5	SE IR	2.2.2
1943 1899		RAIN	จ์พมัจจ์	11.00	********	11.4	RAIN	10.6
(PRIMARY) (OVER-ALL)		WND DIR	N N N N N	M (N (N (N (M	A V N N N N N N N N N N N N N N N N N N	101 08S	HDUR (CMT)	006609 06609 12615 18621
PERIODI								

*

1

		21	01 010 04 04 04 04 04 04 04 04 04 04 04 04 04		
		18	, 40 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0		00-144-4-00-00
MO		15		70	111 100 100 100 100
1DAK .72-180W		17)	w w w w w w w w w w w w w w w w w w w	18	48.00.00.00.00.00.00.00.00.00.00.00.00.00
4 ~		R (GMT 12	10044 674569646	15	0.00 1
EA 0009 1-55N		HOUR 09		12	
AR	~	90	- 4 4 1 4 4 4 4 4 4 4 4 4 4 4 6 4 6 4 6 4	CGMT	12 10 10 10 10 10 10 10 10 10 10 10 10 10
	HOUR	60	040000000000000000000000000000000000000	HOUR 09	100 000 000 000 000 000 000 000 000 000
	AND BY	٥	08110800000477780850 011000001700000	90	12.1 1.00 1.00 1.00 1.00 1.00 1.00
	SPEED A	0		03	12.0 12.0 8.4 10.8 119.8 119.8 119.8 119.8 119.8
	BY			00	00000000000000000000000000000000000000
m	DIRECTION	MEAN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A A	
TABLE	ONIK	PCT FREQ	0 W W W W W W A A A B B P W D W W V O O O O O O O O O O O O O O O O O	TABLE MEAN SPD	24244444 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	ENCY OF	TOTAL OBS	1126 1136 1136 1136 1136 1137 126 126 131 131 131	PCT	20 20 20 20 20 20 20 20 20 20 20 20 20 2
	E FREQUEN	48+	300000+00+0++++0	TOTAL Obs	278 201 202 203 200 200 380 380 337 0
	ERCENTAGE	34-47	444444444444	+1+	1,2
696	PER	22-33		(KNDTS) 28-40	000 000 000 000 000 000 000 000 000 00
1943-19 1899-19		IND SPEE 11-21	* * * * * * * * * * * * * * * * * * *	SPEED (	W1004044 00
MARY)		4-10	7110 111011111111111 4 6 6 6 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	WIND 7-16	#4449#9 61 #0//4#4040 00
(PRI)		6-0	7	9-0	18 40 0 40 40 40 40 40 40 40 40 40 40 40 4
PER 1001		WND DIR	NNA ENRE SS SS ENRE TOTA TOTA TOTA TOTA TOTA TOTA TOTA TOT	WND DIR	NE N

							TOTAL OBS	110 57 55 30	04 t 4	104	116	110	¢ 0	38	
					(8/9)		NH <5/8 ANY HGT	₩ Ø F N	0 10 0 1	049	7.0	1.2	r. 0	206	15.1
ADAK 172-180W					(FT.NH)	<b>E</b>	8000+	00000	000	97	0	0	00	2.7	
							6500		000-	000	00	-0.	• •	٥°	*
AREA 0009 51-55N					HE 16	WIND	5000	00000	000	000	77	00	: 0	0 4	.3
ARE.		S & L	5628 5864 586 7		STHOUGHT HEIGHTS	<5/8 BY	3500	11000	,,,,,,	4	0.4	4 W.	: 0.	.1	4.5
	2	TOTAL OBS	~		ם ש	¥	2000	24.00	1251	L. 4.	2.6	1.5	. 0	189	13.8
	R (GMT)	PCT	10000	i	TABL Vercentage errollency	NCE OF	1999	4.00	9 9 10 10	110	300	3.5		1.0	34.7
	BY HOUR	MEAN	15.7 16.2 15.0 15.0		AGE FR	OCCURRENCE	009	0 4 4 W	***	6.6	4.60	1:0	ů o	201	14.7
1.41	SPEED	CALM	1000 0000 0000 0000 0000		ENE CENT	AND	300	w 4 4	79.5	44	0	1.4.	. 0	2,0	0.4
TABLE	MIND	(KNDTS)	04.0 L W		۵		150	-000	1119			o -: ·	: 0.	•9	٠.
	NCY OF	SPEED (34-47	4W4W 4				000	44.41	. 9 6. 5	4.7		400	. 0	150	11.0
	FREQUENCY	WIND 22-33	18.5 18.1 21.4 17.7 426 18.8												
	PERCENTAGE	11-21	40.8 42.9 41.4 41.1 941		(EIGHTHS)		MEAN LOUD OVER	40.77	464	7.5	6.7	7.0	0	6.6	
	PER	4-10	30.4 30.0 23.9 30.7 657				OTAL C	110 57 55 30	710	104	116	89 110	0	38 365	•
0.0		1-3	WW44 W		O AMBUNT	DIRECTION	6 TO	4-1-0-0-0	0 m 0	٥ ×	44	0.	. 0		.9 10
1943-1969 1899-1969		HDUR	00603 06609 12615 18621 70T PCT	4	CLOUD	9	-7 8 08S	10040	1000		40	446	n	. 8	49
			0077		TOTAL	· >	4 5	41100	. 44		N (1	200	1	m	26
(PRIMARY)					FREQ OF	7	<del>.</del>			• • •	•.:	• •	• •	1 1 .	7 5.
					5	,	0-5	• • • •		• • •	•	• •	• •	• 12	e.
PERIODI					α.		WND DIR	X X X X X	SSE SSE	NS N	E SE	3 3 3 2 2 3 3 2	VAR	CALM TOT 00S	٦ 2

AREA 0009 ADAK 51-55N 172-180W

1943-1969	1899-1969
(PRIMARY)	(OVER-ALL)
PERIODI	

	* 80	4.8	20.3	467	74.0 84.9 1161
NC E	* DR	1.6	20.3	48.	84.9 1160
DF SIMULTANEDUS DCCURRENCE (NH >4/8) AND VSBY (NH)	• OR >1/4	1.4	19.9	69.1	82.4 1127
JLTANEOUS	* OR >1/2	1.4	19.8	72.0	79.1
OF SIMU	VSBY (NM = DR >1	4.6	19.8	687	77.0 77.0 1053
PCT FREGIGHT	• GR	1.4	19.6	900	1011
UMULATIVE PCT FREG DF CEILING HEIGHT	• V5	10.4	18.7	58.8	63°2 864
5	# DR >10	4.	9.6	30.7	32.2
	CEILING (FEET)	# DR >6500	= 0R >3500 = 0R >2000 = 0R >1000	= GR >600	- 08 7150 - 08 > 0 TOTAL

TOTAL NUMBER OF OBS: 1367 PCT FREG NH <5/8:

15.1

TABLE 7A Percentage freq of Low Clouds (Eighths) 0 1 2 3 4 5 6 7 8 GBSCD GBS 1.5 1.7 4.1 3.7 3.9 4.8 9.2 13.3 48.7 9.1 1557

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PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1899-1969

		PCT	4.00	3.6	400	5.5 7.1 12.6	9.5 27.6 37.1	2.0 35.1	100.0
		TOTAL	16 73 89	W W W	327	94 122 216	163 475 638	6 0 9 8 8 8 8	1718 1
		CALM TO	0.1.0	0.1.1	000		2 6 6	1.1	2.7 10
3		VAR	000	000	000	000	၀၀၀	000	00
ADAK 172-180W	ITATION	R Z Z	 	1.79	000	16.	1.4 29	2.5	89
	PRECIPI	Z	4.0	7.1.4	0.1.0	7.87	1.5	74.8	140 8.1
AREA 0009 51-55N	E 0F PI	Z	0,44	000	000		40.4	2.0.4 5.0.4	5.8
	JRRENCE	*		044	404	W W W	2	4.0 8.0 9.0	176 10.2
	ON VS OCCURRENCE OR NON OCCURRENCY VARYING VALUES OF VISIBILITY	M S M	44.0	044	21.5	794	3.6 72	4 4 6	149
	DE VIS	MS	15.0	, ., <b></b>	יייר	<b>4</b> 4 4 4	3.1	2.5	153 8.9
<b>8</b> 0	JRRENCI	MSS	1.8	N. H.	77.0	2.50	1.0 5.3 5.3	1.2	89 5.2
TABLE	VS DCC	S	4.0	444	642	2.5	1.0 2.6 61	1.1	129
	<b>∺</b> +	SSE	-iú4	0.00	w o w	444	3.5 3.7	1.0	4.9
	DIREC.	SE	ō w w	 	 	.2	N 80 E	1.9 35	5.5
	OF WIND	ESE	01.0	2.4.0	4.40		 	1.0	3.7
	FRED	ш	ပက္ကမ	44.0	4.4.v	96.9	1.0	1.5	81 .÷.7
	PERCENT	ENE	<u> </u>	44.0	น่าเพ	620	7.25	H 8 4	3.0
1969 1969	<b>Q.</b>	Ä	4.0 W	10.4	-i-w	44.	1.0	1.6	69
1943-1969 1899-1969		N N H	0.56	40.0	0.4.	6.51	1.0	1.3	3.6
(PRIMARY) (OVER-ALL)		z	-124	010	5.4.0	115.2	2.2	3.6	140 8.1
			PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP Total	PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PERIODI		> <b>^</b>		PCP 1/2<1 NO TOT			5<10 ND TOT		<b>2</b> •
		VSBY CNN	7	1/	142	2<5	5	10+	

AREA 0009 ADAK 51-55N 172-180W

	PCT		N	4.17.	2.7 4.5 4.0 11.9	2.0 10.6 15.8 10.1	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	100.0
	TOTAL	28 49 111 95	1 11 23 24 59	90 412 W	15 60 101 90 266	8 2 3 4 4 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6	252 253 141 857	2235
	CALM	.1	* ~	• •	e. r	1.0	1.1	56
	VAR	00000	00000	00000	00000	00000	00000	00
	Z	001#8	0 * * 7.0	00017	0,1**	1.0.4 5.01	 1.1 5.5	130
	Z	*0.0	o.**-;•	0.0010	0.4.4.1		2.1 2.4 111	205
Ω.	Z Z	0###M	00000	00000	# O # W @	*4860	10.1.4.0	118
D SPEED TY	*	0.10.10	0#004	00114		1.1	99.00	200
VS WIND S	MSM	01701	0 + 0 - 4	**-;*•	00442	1.98	* 6.2.2.8	191 8.5
	NS	04445	040#8	*-:-*	0 4 4 4 8	1.1.1	1.00	185 8.3
DE WIND DIRECTION ARYING VALUES OF V	MSS	124*9	0 + 40 4	000-1	0.1.6.62	04800	0.0.0.4.9	104
OF WIN	S	01400	00444	21,410	# 14 # 6	*0.480	46668	153
FREG	SSE	01104	00440	04400	0	* 90° 4 7,	744#2	4.4
PERCENT	SE	0-1-1+n	00#0-	# 14 25	124.62	40444	60.625	131
۵.	ESE	00100	0#440	0,40,0	21.000	* 64 2 2 2		86 3.8
	w	0-1-1#10	00##N	0.10.0	# 7m 4 N	11.5.48	34.8	112
	ENE	44.00	0 * 0 * N	o** -in	0,#0,#0	* # 15 7 15	* 65.10	3.1
	N E	00#	o###m	0,7,001	04414	000000	1.01	122
	NNE	00-44	00*%	00*0-	01111	#41.48	31.6.71	3.7
	z	04404	00400	04101	*	1.6	1.5	190
	SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL

VSBY (NH) <11/2 1/2<1 1/2<1 1/2<1 1/2 1/2 1/2 1/2 1/2 1/2 1/2

									AND/OR	TOTAL	337	345	343	345	1367
80k		٠,٠	51	350	351	351	щ o.		SY CNM)	NH <5/8	17.2	14.3	13.4	13.6	200
ADAK 172-180W		TOTAL OBS	9	3	6	ω, 20,	1403		F VSE/8), E		4	4	0.	0	m o
6		NH <5/8 ANY HGT	20.8	15.4	15.1	14.8	232	12	GES ON NH X4	1000+ AND5+	53.4	4.64	45.	40.0	48.6
AREA 000 51-55N	AND	N A						TABLE	DF RANGES OF VSBY (FEET, NH >4/8), BY	<1000 <5	59.4	36.3	44.6	36.5	502 36.7
⋖	>4/8), AND	TOTAL	79.2	84.6	84.9	85.2	1171	_	FREQ 0	<000 <	3.1	5.8	22.7	5.9	231
	IG HEIGHTS (FEET,NH > NH <5/8 BY HOUR	<b>8</b> 000 <b>+</b>	6.	6.	6.	•	118		CUMULATIVE PCT F CEILING	<150 <	7.4 1	10.2	16.0 2	10.1	150 11.0 1
	S (FE BY HO	6800	6.	6	6.	•	æ 4		LATIV						
	EIGHT		6.	.3	9.	.3	w 4.		CUMU	HOUR (GMT)	60300	60390	12615	18621	T0T
.E 10	N N N N N N N N N N N N N N N N N N N	5000			m	_	(VI str								
TABLE	CEIL CE DI	3500	5.4	5.7	2.8	3.7	4.4				~	01	•	10	<b>.</b>
	ENCY OF CEILING OCCURRENCE OF NH	2000	13.4	13.1	12.0	16.0	191			TOTAL OBS	337	345	343	345	1367
	FREQUENCY OCCU	1000	33.6	35.4	32.8	33.6	475		BY HOUR	10+	51.0	43.9	35.6	45.0	589
	RCENT F	666	13.1	14.9	14.2	15.4	202		B (WN)	2<10	33.2	31.3	36.4	38.0	475
	PER	300	0.4	3.1	4.0	3.7	54 3.8	LE 11		2<5	7.1	12.3	14.6	10.7	153
		150	٠ س	6.	•	1.1	10	TABLE	FREQUENCY VSBY						
		000	7.4	10.0	16.2	10.0	153 10.9		FREQU	1<2	1.8	3.8	4.7	2.0	3.1
1943-1969 1899-1969							10		PERCENT	1/2<1	1.8	2.3	1.2	5.9	2.0
		HOUR (GMT)	0000	06609	12615	18621	TOT		PER		0	4	•	6	00
ARY) -ALL)										<1/2	5.0	4.9	7.6	4.3	80 5.9
(PRIMARY) (OVER-ALL)										HDUR (GMT)	60300	60390	12615	18821	701 PC1
PER 100 !															

			CALM	•	7	*	1.3		•	43	2.7			TOTAL	499	398	312	445	1594	
		TEMP	VAR	•	•	•			•	0	•		HOUR	MEAN	10	7	~	88	7	
		8	Z	•		1.2	6.9	6.8	-:	238	15.0			90-100 M	4.4	0.0	5.6	55.5	805	
<b>8</b> 0		OF WIND DIRECTION	3	-			4.9		-:	212	13.3		RELATIVE HUMIDITY BY	80-89 90-				26.7 5		
ADAK 172-180W	TABLE 14	IND DI	S	7			2	4		8	17	TABLE 16	TIVE H							
AREA 0009 51-55N	TABL		S	•	.2	1.8	7.1	2.1	•	177	11.1	TABL	OF RELA	70-79				13.0		
AREA 51-		FREQUENCY	SE	• 1		1.6	0.9	2.2	•	161	10.1		ENCY D	69-09	8.0	7.3	7.7	4.3	101	
			w	0	-	1.4	4.8	2.1	•	135	8.5		FREQU	30-59	2.7	₩.		4.	18	
		PERCENT	Ä	• 1	6	1.6	4.8	2.5	6	153	9.6		PERCENT FREQUENCY	0-29	•	•	•	°.	0	
			z	•	6.	.7	6.0	5.0	4.	197	12.4			HOUR	00003	60390	12615	18621	<b>T</b> 0 <b>T</b>	
		100	FREQ	6	7.0	11.6	50.3	31.7	1.0	100.0										
		TOTAL	088	'n	32	185	847	504	16	1589			HDUR	TOTAL	627	562	165	265	2272	
		/ TEMP	90-100	•	•2	5.3	27.9	16.7	'n	805	50.7		F) BY	MEAN T		m	•	40.4	0	
		DITY BY	80-89	• 1	•	3.5	15.5	7.2		427	56.9		OEG	NIN				33		
	m	HUMIDITY	70-79		9.	2.1	6.9	4.8	.2	232	14.6		OF TEMP	18	35	34	34	35	34	
	TABLE 1	RELATIVE	69-09	•1	4.	5	2.6	2.9	6.	107	6.7	15		<b>5</b> %	37	37	36	36	36	
1943-1969 1899-1969	<b>F</b>	P	50-59									TABLE	PERCENTILES	20%	41	41	39	4	41	
		FREQUENCY	65-05										AND	95x	64	48	45	4.5	47	
(PRIMARY) (OVER-ALL)			30-39	•	•		•	•	•		•		MEANS, EXTREMES	366	53	51	4	20	52	
		PERCENT	0-59			0							IEANS, E	MAX	58	S. S.	26	27	20	
PER 100:			TEMP F	55/59	50/54	45/49	44/04	35/39	30/34	TOTAL	PCT		L	HOUR	00000	60390	12615	18621	101	

PCT FREQ

PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1899-1969

ADAK 172-180W	PRECIPITATION	FDC	1.0	4	1.2	1.7	9.0	5,3	11.2	8.8	17.2	0.6	4.7	3.8	5.9	1.2	1.0	.1	٠.	1322	90.5
AREA 0009 51-55N	T PRECI	3 CL	0-	•	2.5	7		0										•			
A N	(WITHOUT F)	101	71.4	•	21	27	55 83 83	93	186	139	276	150	22	57	48	17	16	7	1	1460	100.0
	OCCURRENCE OF FOG DIFFERENCE (DEG	57 60	ī.	•	0.0	0	• •	٥	•	•	0	ç (	• •	0.	•	0.	•	•	•	-	
	RENCE	53	-:-	7	- 0	7	• -		•	•	•	9	•	0	•	•	•	•	0	•	•
<b>-</b>	DCCUR	49	٠:	.2	æ, ′,	0	• -	:	7	0	•	•	•	0	•	•	•	•	•	54	1.6
TABLE 17	ATURE	4 4	00	.1	1.5	1.0	1.2	•	1.0	ů.	ų,	•	0	•	•	•	•	0	•	121	8.3
4	F) AND THE TEMPERATURE	41	00	•	0 4		3.7	4.6	7.9	6.4	6.0		.7	.5	4.	-	.2	9	•	245	37.1
	CDEG F	37	00	•	•	::		1.0	3.5	4.2	11.2	7.0	2.9	2.7	2.3	9.	ŗ.	•	0	672	46.0
	~	33	00	0	• •	0.0	• •	7	• 1	-	•	6.	1.5	8	'n	Š	6	7	-	16	6.2
	TEMPERATURE VS AI	AIR-SEA TMP DIF	17/19	11/13	9/10 7/8	•	n 4	6	7	⊶ (	٥,	1 7	16	4-	ا ا	9-	-1/-8	-6/-10	-11/-13	TOTAL	PCT
	AIR																				
	4																				

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CT FREQ OF WIND SPEED (K N 1 22-33 34-47 48+ 1 2 -33 34-47 48+ 1 2 -33 34-47 48+ 1 1 22-33 34-47 48+ 1 1 22-33 34-47 48+ 1 2 -33 34-47 48+ 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	AND DIRECT 22 AND DIRECT 35 AND DIRECT 36 AND DIRECT 37 AND DIRECT 38 AND DIRECT 38 AND DIRECT 39 AND DIRECT 30 AND DIRECT	VERSUS SE 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	EA HEIGHTS 1-21 22-3 66 66 66 66 66 66 66 66 66 66 66 66 66	TTS (FT) NE -33 34-17	#	TO T
PCT FREQ OF WIND SPEED (K 11)  111-21	AND D	ν ~	4 1 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M	+000000000000000000	TD AL AL 11 11 11 11 11 11 11 11 11 11 11 11 11
N 11-21 22-33 34-47 48+ 7 1 1-21 22-33 34-47 48+ 7 1 1-2 22-33 3	1 AF. 1-22 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	704400000000000000000000000000000000000	M	+000000000000000000	101 AL 22 AL
11-21 22-33 34-47 48+ 7  1 1 1 1 2 1 2 2 - 33 34-47 48+ 7  1 1 1 2 1 2 2 - 33 34-47 48+ 7  1 1 2 2 - 33 34-47 48+ 7  1 2 2 - 33 34-47 48+ 7  2 1 2 2 - 33 34-47 48+ 7  2 1 2 2 - 33 34-47 48+ 7  2 1 2 2 - 33 34-47 48+ 7  2 1 2 2 - 33 34-47 48+ 7  3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 Ar. 1-	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	704404000000000000000000000000000000000	E- 000 1 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	+000000000000000000	701 A 2 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
11-21 E  11-	1244 1244 1244 124 134 134 134 134			001140001000000000000000000000000000000	•••••••	
11	124 124 120 120 130 130 130 130 130 130 130 130 130 13			oun4000n0000000000000	000000000000000000000000000000000000000	
11-21	124 136 14 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15			/v/4000v0000000000000000000000000000000		
11-21	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			44000N0000000000000		
11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			*000N000000000no		, , , , , , , , , , , , , , , , , , ,
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A 0009											S HEIGHTS	2		5000	*	•	0	•	<b>*</b> -	- <b>*</b>	*	•	0	•	7	o ·	• -	*	0	•	12
ARE.		٠.٠	7	39	9	9					CEILING	9	0	3500	.2	•			٥,	. 4	2	.2	*	*	~	~	7	2	0	c.	3.6
	_	TOTA	11	Φ	80	6	38			ABLE 6	<b>P</b>	1 2		2000	1.5	1.1	1.1	7 . 7	1.		9	1.7	1.1	1.0	1.2	2.2	. 4	1.2	0	.3	512 20.7
	R (GMT)	PCT	8	100.0	8	8		100.0		TAB	REQUENCY	u ( N	)	1000	2.3	1:1	1.5	1.5		200	1.6	2.5	1.0	1.6	1.5	5.9	- C	7	0	80	30.2
	Y HOUR	MEAN	2	12.4	2	2	2				<b>L</b>	3 9 91 7 7 7	2000	666	<b>6</b> 0	∞.	∞.	æ .	0.1	. 0	4	1.0	€.	1.0	1.2	1.7	o «		0	•	348
4	PEED 8	CALM	1.9	3.6	9,0	2.9	108	2.8			ERCENTAGE	024	2	300	4	۲.		-:			7			٦.			- *	4		•	3.6
TABLE	MIND S	(KNOTS)	0	•				•			P.			150	•2	٠,	#	0	<b>#</b> 4	ł C	: :	*	0.	*	•	*	# C		0	*	18
-	O.F	SPEED (1	6	4.	4.	₩.	25	•						000	80	٠,	1.3		7.7	•	0.1	2.3	۰,	1.0	٠. در	9	1.4	2	•	9.	334 13.5
	FREQUENCY	WIND 3	ö	10.8	ċ	8	6	•																							
	ERCENTAGE	11-21	2	43.2	4	3	66	9			(EIGHTHS)		HEAN	LOUD	•		•	•	•				•	•	•		0.7			7.5	•
	PER(	4-10		36.0	•		2					_		AL C	56	15	44	20	2 5	78	16	48	02	34	32	50	3 (	07	0	69	. o
		1-3	•	0.9		•	4	•		80	AMOUNT	NOTECTION		TOT 0			~ .														7 24 0 100
1943-1969 1900-1969		HOUR	60300	603	615	621	10	5		TABLE !	CLUUD			3 8 0850	4	w.	<b>.</b>	÷ 1	• 4	'n		8	e.	4	4	• •	4	2.	•	2.	18 <b>5</b> 75.
		I	8	90	12	18	<b>-</b>	•		-	DTAL	2 3		5-7	2.4		Φ.	•	4 -	• •	•	1.3	Ŷ.	•	7.	•	• •	1.3	•	•	495 20-0
MARY) R-ALL)											0 OF T	•	•	3-4	<b>.</b>		* 4		•	: -:	.2	e.	#	2.	•	٠.	. 2	.2	0	7	2.7
(PRI											T FRE			0-5	5.	• 5	7.	<b>-</b> • 1	<b>+</b> 0	: -:		• 5	7	*	•	~	• -		•	#	2.4
PERIUD											PC			WND DIR	z	NN I	w u	ש ב ב	ה ה	, N M	SSE	s	SSE	S	X SX	3 Z	: 3 : Z	エスス	VAR	CALM	TOT 08S

ADAK 172-180W					
AREA 0009 ADAK 51-55N 172-180W			* 80	2	
	NCE		- 0R	>50YD	
	CUMULATIVE PCT FREG OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)		• 08	>1/4	
	LTANEGUS 8) AND V	•	• 80	>1/5	8.6
TABLE 7	OF SIMU (NH >4/	VSBY (NH)	* 0	7	9.6
	PCT FREQ G HEIGHT		• 8	>5	9.6
	LATIVE (			\$\$	3.6
	S C C		• 80	>10	4.4
PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1900-1969			CEILING	(FEET)	* OR >6500 * OR >5000
(PRIMARY)					
PERIODI					

JUNE

	£ 0	ě	1.3	5.0	25,6	55.8	8.69	73.5	74.2	87.7	2176
	- OR	••	1.3	5.0	25.6	55.8	69.8	73.5	74.2	87.7	2174
	• GR >1/4		1.3	5.0	25.5	55.7	69.7	73.3	74.0	6.43	2106
•	- OR >1/2	8.	1.3	2.0	25.4	55.5	4.69	72.9	73.5	80.5	1997
VSBY (NA			1.3	2.0	25.3	54.8	68.3	71.6	72.1	76.9	1906
	• 22		1.3	2.0	23.9	51.8	63.5	4.99	66.8	69.7	1728
	• 8 %	30	1.3	4.6	21.5	45.2	53.8	55.8	26.0	57.3	1451
	• B ^10	s.		3.1	13.5	26.7	30.7	31.7	31.8	31.9	792
	CEILING (FEET)	- DR >6500	^	^	^	^	■ OR >600	^	^	^	TOTAL

TOTAL NUMBER OF OBS: 2480

PCT FREQ NH <5/8: 12.3

TABLE 7A Percentage freq of low clouds (eighths) TOTAL 0 1 2 3 4 5 6 7 8 OBSCD OBS 1.3 2.1 3.4 2.8 2.8 3.7 7.6 12.3 53.1 11.0 2909

		PCT	8.0.7		0	•	9 1		4.9	10.2	15.1	5.5	23.7		33.9	100.0	
		TOTAL	222	3	96	<u> </u>	7 6	275	154	323	477	164	749	33	1069	3158	
		CALM 1	.44		* -	→ (	• ·	. 00	٠.	•	13	.2	212	•	9.0	87	
MO	_	VAR	000	• •	0.0	•	•	•	•	•	0	•	••	•	o.	00	
ADAK 172-18CW	PRECIPITATION	Z	0,00		7.4	n (	• -	7	.2	ņ	15	*	1.1 36	7	2.1	137	
	RECIPI	Z	* 5.7	*	w. C	3 (	? ^	7	.2	'n	21	.2	53	•	2. 8.9 8.9	197	
AREA 0009 51-55N	9	2 2	0:14			n (	? `	٥	.2	ė	13	.2	9.0		20	109	
	URRENC Y	3	046	7		: '	4 4	25		۰.	30	•	2.5	٠,	3.8 123	290	
	R NON OCCURRENCE VISIBILITY	T S T	440	7	7.5	·	11	52	6.	.7	30	6.	1.6		57	194	
	_	MS	7.57	m.	7:	;	10	53	tr)	₽.	34	i,	1.3 58	2.	50	204	
<b>6</b> 0	DN VS DCCURRENCE Varying values of	MSS	# 17 00	2		- 4	• (*)	23	6,	ų.	19	4	9.6	* 1	54	118	
TABLE	VS DCC	S	3.62	e,	4 6	3	9	35	•	1.2	52		2.1	7	68	299	
	EE	SSE	0.5.1	7		r	2 ~	12	.3	'n	52	6.	51		1.2	150	
	D DIRE	SE	# 17.0	*	-, 4	,	2.	11	7.	₩.	41	•	1.8	-:	76	220	
	OF WIND	ESE	# m 0		# 4	-	7 7	0	•2	4.	17	7	51		9 9 9	149	
	FREQ	w	1.6.0	m	e	•	14	20	5	0.	41	2.	1.7	٠.	9.0	256	
	PERCENT	ENE	123#	*	41	, ,	'n	16	6	æ	34	7.	1.5		4	171	
1969	<b>a</b> .	N H	2.00	7	£. E		į	22	e.	5	2 <b>8</b>	4	1.3	* •	23	202	
1943-1969 1900-1969		NN	1.5.1	7	. ₄	- 5	7	11	2.	•	23	.2	. W	0,	51	136	
(PRIMARY) (OVER-ALL)		z	0 20 30	0	4.	-	. 4	14	ů.	•	56	6	1.8		111	239	
PERIODI (PRI) (OVE)			PCP NO PCP TOTAL	9.0 9.0	NO PCP		NO PCP	TOTAL	PCP	NO PCP	TOTAL	PCP	NO PCP TCTAL	PCP	TOTAL	TOTAL	
PER		VSBY	<1/1>		1/2<1		1<2		!	2<5			01>0	,	•		

	TABLE 9
1943-1969	1900-1969
PERIODI (PRIMARY) 1943-1969	(OVER-ALL)
PERIODI	

AREA 0009 ADAK 51-55N 172-180W PERCENT FREG OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY

	PCT	1.3	5.4	3.1	'n	7.4	6	1.1	2.1	4.0	9	2.4	1.0	7.9	1.2	4.7	5.2	14.1	2.5	11.7	14.5	32.4			;	34.2		100.0
	TOTAL	51	36	117	20	280	11	40	81	18 150	23	06	140	300	47	178	96	535	95	7445	248	1225	121	556	530	1295		3785
	CALM	•				21	*			<b>~</b>	.2			6	4.			15	.7			56	1.0	•		36		108
	VAR	•	•	•	•	0	9	0	0	0,0	0	0.0	9.0	•	•	o c	0	0	•	0	•	•	0	•	•	• •		•
	X Z Z	7	6.		•	19	0	7	7	٥'n	0	0.	: 7	4	•1	•5	::	19		•	* (	49	• 1	1.2	•	7.8		173
	ž		•5	7	*	18		7	7.	0.0	*	* -	: -	0	0.	2,0	2	54	.2	6.	•	82	.2	1.5	1:1	112		6.7
۵	N.	•	∹	*	•	4	•	•	7	o w	7	7	: -	:0	•	2.	::	16	7	5.		41	7		•	61		135 3.6
D SPEE TY	*	*	•5	.2	*	14	*	*	•2	0.11	*	ů,	• -	27	*	4 4	::	36	2.	1.2	::	110	2	1.5	1.7	142		9.0
VS WIN SIBILI	MSM	*	-:		•	6	0	*	•2	* ::	0	~	-	52	• 1	4 4	7	36	~		·••	. 60	•1	1.	<b>.</b>	2.6		232 6.1
CTION OF VI	N.S.	*	• 5	4.	•	22	.1	7	•5	12	0		: -:	31	.1	2.5	7	38		Ç.	* -	92	1	80	•	1.69	;	7.0
D DIRE VALUES	MSS	.1	*	-:	*	10	•	•1	-	.1	•	-, "	*	54	• 1	. ·		20		٠,	• -	64	• 1	6.	•	32		3.8
DF WIN	s		.2	٠.	-:	35	.1	.1	4	20	•	7.	• "	35	*	m «	4	57	۲.	œ .		113	2	6.	0.1	16		9.0
FREG	SSE	*	٠.	• 5		17	•	•	*	1,4	*	<u>.</u> ,	, ,	16	•	2 4	.2	27	*	4.		63		4.	4 (	4 0	į	4.6
PERCENT FREG OF WIND DIRECTION VS WIND SPEED WITH VARYING VALUES OF VISIBILITY	SE		7	7	•	0	•	.1	*	# 4	•	7.		12	•	ر. د	.2	25	•1	•	***	• 0	6	æ, (	6.1	7.6	;	7.1
<b>a</b> .	ESE	*	• 5	7	•	10	•	*	•1	<b>*</b> 4	•	;-	: *	5	.1	7.	: :	19	*	ů,	•	26.	•	3.	Ξ.	. 5		4.2
	ш	*	7	• 5	٠,	17	•	•1	6.	20	*	٦.	2	20	.1	u r	4	64	•2	1.0		84	.2	1.3	1.4	110		7.9
	ENE	٠,	7.	.2	•	15	*	.2	•5	15.0	*	٠.		11	;- <b>4</b>	4.0	7	36	7	ů.	•	9	7.	0	o i	55.		5.5
	Ä	۲.	e.	ů.	*	<b>56</b>			•5	13	.2	4.	, ,	22		40	:	35	6	0.0	•	83	7	1.0	•	12		6.5
	NE	•	-:	<b>.</b>	*	17	•		•	# v	*	٠,2	. 0	14	•2	٠	7	e C)	•1	۲.	* -	64		91	•	57		4.6
	z	*	.2	.2	*	20	•		7	o n	•	7-	: :	16		<b>.</b> .	:	92	•2	0.1	•	91	.2	1.8	7:1	124		7.5
	SPD	0-3	4-10	11-21	55+	TOTAL	0-3	4-10	11-21	22+ Total	0-3	4-10	22+	TOTAL	0-3	11-21	22+	TOTAL	0-3	4-10	17-11	TOTAL	0-3	4-10	17-11	TOTAL		PCT
	VSBY (NM)		<1/2					1/2<1				1<2				5<2				2<10				10+				

									AND/OR	TOTAL	687	597	809	588	2480
100		٠. ي	4	6	6	E.	20		Y (NM)	NH <5/8	14.7	11.9	8.7	8.8	277
AUAK 172-180W		TOTAL OBS	714	609	609	603	2535 100.0		. VSB		•	~	•	•	0.84
AREA 0009 /		NH <5/8 ANY HGT	18.8	13.6	10.7	12.1	356 14.0	12	OF RANGES OF VSBY (FEET,NH >4/8),BY	1000+ AND5+	48.0	44.7	45.9	44.6	1120
REA (	AND							TABLE	F RAI	<1000 <5	37.3	43.4	48.4	46.6	1083
∢	>4/8), AND	TOTAL	81.2	86.2	89.3	87.9	2179	-		<000 <	16.4	19.4	23.8	19.7	490
	Ĭ.	8000+	4.	•2	.7	°.	<b>.</b>		CUMULATIVE PCT FREQ CEILING HGT	<150 <50YD	11.2	12.7	17.9	12.8	337
	TS (FI	6500	8	10	6	• 5	12		HULATI	HOUR (GMT)	60300	60390	12615	18221	TOT
10	ENCY OF CEILING HEIGHTS (FEET OCCURRENCE OF NH <5/8 BY HOUR	5000	1.0	•5	6.	e.	12		Ď	35	ŏ	ŏ	21	16	
TABLE	EILING	3500	3.5	5.6	3.4	5.0	9 ₂								
	CY OF CORREN	2000 3499	21.3	20.4	19.7	19.2	512 20•2			TOTAL 08S	687	597	608	588	2480
	FREQUENCY OF OCCURREN	1000	29.8	30.7	29.5	28.7	751		BY HOUR	10+	47.7	43.2	31.1	39.5	1007
	RCENT FI	666 009	10.6	14.3	14.1	16.4	348		(MM) 8	5<10	24.6	26.6	33.7	56.9	691 27.9
	PER(	300	2.5	3.9	3.6	4.5	91 3.6	TABLE 11		2<5	11.9	12.9	14.0	13.1	321
		150 299	•	1.0	.2	1.2	18	TAL	ENCY						
		000	9	Ŋ	7	4	5 2		FREQUENCY VSBY	142	5.7	7.2	7.4	6.6	185
1943-1969 1900-1969			3 10.6	9 12.5	5 17.7	1 12.4	335 13.2		PERCENT	1/2<1	3.5	3.7	4.4	3.6	3.8
		HOUR (GMT)	00603	06609	1261	18621	TOT PCT		9		9	4	4		3.6
ALL)										<1/2	9.9	4.9	4.6	7.1	182
(PRIMARY) (OVER-ALL)										HOUR (GMT)	0000	60390	12615	18821	T0T PCT
PER100:															
_															

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101AL 085 578 519 298 544

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	80M			TOTAL		13			ه ه	<b>9</b> 0	. 0	0	0	0	0	0 (	<b>o</b> (	<b>&gt;</b> (	•	•	•	) (1)				TOTAL		<u>.</u>	<b>,</b> 4	٠-	• থে	0	0	0	0	0	0	00	<b>&gt;</b> 0	•	• 0	0		n	1.,
ADAK	172-18			+8+	•	•				•			•		0		•				•		ç	•		484	•					0	•	•	•			o c		9 6	•	°.	•	0	<b>.</b>
6000 V		FT)	NE	34-47	•	•		•	•	•	•	0	•	•	•	•			•	•	•	•	9	2	SE	34-47	•				•		•	•	•	•			•	20	?	0	•	0	•
α α	51-	IGHTS (		22-33			o o						•			•	o c				•	. ~	7	•		22-33						•		•	°.					0				m ·	•
		SEA HE		11-21	•	•	2.5	•		* "		•	0	•	0	•	•	•	•	•	•	28	9	•		11-21	•	1 - 1	•	2	2	•	•	•	•	•	•	•	•	20	•	•	•	7	4.0
		I VERSUS		~	1.7	•	•	•	4	o c	• •		•	°	•	0.	o c	•	•	•	•	22	4.7	•		4-10	•						•	·	•	o.	•			•		•	•	-	7.7
JUNE	ABLE 18	D DIRECTION		1-3				•		•					0.		•					•	. 2	•		1-3			•			•		•			•					•		0	•
	TA	(KTS) AND		TOTAL			77.		<b>n</b> <	<b>1</b> -	• 0	<b>,</b> –	0	0	0	0 (	0	<b>&gt;</b> C	<b>o</b> c	•	<b>o</b> c	80				TOTAL		7 -		10		e	7	0	0	0	0	90	0	0	0	0	0 (	٥	13.4
		SPEED		+8+	o.	•				9 9		0					•				•	•	•	•		<b>48</b>			•				•	0	0	•		9		•			•	0 0	•
		OF WIND		34-47	•	•	٠,	•	7.0	•	9		0	•	٠ •	•	÷	•	ې د	•	9 0	2	4.	•		34-47	•	•	•	9 4	•	•	• 5	•	•	•	0	•	•	•	•	0	0 (	m •	•
		CT FREQ		22-33		•				•											•		6.			22-33	•			4	•	4.	• 5	•	o.	•	0.0	•	•	•	o.	oʻ.	ō,		C • 1
	69	P.			•	•	. v	•		* (				•								36		•			•	7 . 7	• •	0		• 5	•	•	•	•				•		•		7	
	1963-196			4-10	•	0.6	•			0	•	•	0.	0	္	ċ	•				0	31	6.7	•			,	•	٥			0				•				0					•
MARY)	R-AL			1-3	•	7.	•	•	•		0	•	•										6.									0			o.			•		•		o c		V 4	•
P.R. I	(OVE			HSH.	₹.	7-1	3-4	2	- a	10-11	12	3-1		0-5	3-6	0 10	1 = 4	9-6	1-7	- 2	87+	TOTAL	7		Ι,	HG1	1 - 1	7-1	2-6	7	8	10-11	7,		ij	7 5	3 . 4	31.0	1=4	09-64	1-7	1-8	: ;	5 6	•

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JUNE		

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																									_					_	_	_								_	_	_	_		_
																									GRAND		130	127	9	4	23				,	,	, .	, .	, 0			Ü	Ü	404	100
	×		101	٠ -		0	4	S	-	<b>→</b>	7	0	0	0	0	0	0	0	0	<b>&gt;</b> C	> <	40			FOTAL	0		18	<b>ao</b>	2	m	m ·	0	<b>&gt;</b> C	<b>&gt; c</b>	<b>&gt;</b> C	•	0	0	0	0	0	0	61	13.1
24	172-180W			0 (		•	0.	•	°.	•	0.	•	0.	•	•	•	0	•		•	•	•	•		46+	0	•	•	•	•	0		•	•			•			•	•	0	•	0	0.
0	-55N	FT)	SW 34-47	,			•						•			•			•			•	•	37	34-47	•	•				•		•		•				•		•	•	•	-	
	51=5	HEIGHTS (		7	0	•	•	•	•	•5	4.	•	•	•	•	٥.	•	•	•	•	•	· m	•		22-33	•	•	0	•5	2.	•	* (	•	•	•	•	0		•	0.	•	•	•		1.5
		SEA HE	1-5	1		2.8	•				•		•	•			•				•	56	5.6		11-21	•		5.6	•	• 5	•	•		•					•		•	0	•	2	2.6
		VERSUS	4-10	•	1.3	•	• 5	• 5	• 5	•	•	•	•	•	•	•	•	0	0.	•	•	15	3.2		4-10	•		1.3	• 5	•	0	0	•	•	•		c	9	•	•	•	•	•	7	2.0
JUNE	TABLE 18	DIRECTION	1-3	2	• 5	0	0.	•	•	•	•	•	•	o,	•	•	•	•	•	•	•	2	4.		1+3	6.	•	•	•	•	•	•	•	•	•	•	0		0	•	0.	•	•	4	٥.
	TAI	(KTS) AND	1014		7	10	•	4	7	-	0	0	0	0	0	0	0	0 (	<b>&gt;</b> (	<b>o</b> c	<b>o</b> c	34			TOTAL	14	20	20	19	14	m	7 .	<b>→</b> (	<b>v</b> c	<b>&gt;</b> C	> <	c	0	0	0	O	0	0	9	20.5
		SPEED	484		•	0	•	•	•	•	၀့	•	•	•	•	•	•	•	<u>.</u>	2 0	9	0	•		48+	•	•												•		•	•	•	0	•
		OF WIND	34-47	-		0					•				•		•			•			•		34-47	ò		•								•			•		•	•	•	0	•
		T FREG (	5	J			9.			• 5	•	•	•	•	•	•	•	9	•	•		7	1.5	3	22-33	0	•	•2	•	1.3	4.0	7.		•	•	•	0	0	0	0.	0.	0.	0	<b>⊸</b>	3.7
	69	ď	11=21	4	4.	1.5	9.	•	• 5	•	•	•	•	•	•	•	•	0.0	•	9 9		16	3.4		11-21	•	•	5.4	•	•	?.	7.	•	•		200	•	0	•	•	•	•	0	4	9.1
	1963-1969		01-7	}	1.1		•	•	•	0	0	٠.	•				•					11			4-10	•	1.9	•	4.	•	o c	•	•	•	0	0	0	0	•	•	٠.	•	0.0	7	6.9
	VER-ALL)						•																0.		1-3	6.																0		\$ (	•
	(0V		1	₹ ₹		3-4		~	8-9		12	3-1	7-1	0-5	3-5	6-9	3-4	1 (	10	•	87+	TOTAL	ပ		HGT	₹		3-6			<b>80</b> (	1	3.5	7-1	0=0	3-2	6-3	3-4		9-6	1-7	1-8	8	- •	<u>ں</u>

H H H G H W W W C J O W

		TOTAL OBS	92	39	59	57	132	26	134	116	215	152	247	185	307	87	100	57	0	26	2116	100.0
ADAK 172-180W		ENA NO SIG WEA	2.4	•	1.7	1.5	3.1	1.8	2.5	5.4	4.0	3.1	4.8	4.1	8.4	5.6	5.9	1.5	•	1.0	1031	48.7
		ER PHENDMENA DUST NC WG DUST S1	•	•	°.	•	*	•	•	°.	°.	•	°.	•	°.	•	•	•	•	•	-	•
AREA 0009 51-55N	CTION	OTHER WEATHER PIEC SMOKE DUSING HAZE BLWG PCPN BLWG	•	*	*	•	*	*	-:	-	4.	•	.5	-:	*	-:	-:	7.	•	•	35	1.7
⋖	WIND DIRECTION	PN FE	•	•	•	7	7	-	_	2	4	5	5	•	_	0	•	•	0	-		
			•	•	•	•	-	1:1	.2	- <del>-</del>	9	5	•	5		-	-	•	•	-	655	31.
	ACE BY	THDR	٠	•	•	•	•	٠	•	•	•	•	*	•	•	•	•	*	•	•		•
	OCCURRENCE BY	TOTAL PCPN OBS	80	•	11	12	59	33	34	27	52	34	46	94	42	٥	5	m	0	10	392	
TABLE	WEATHER	PCT FREQ PCPN AT OB TIME	.2	.3	•	•	1.4	1.6	1.6	1.3	2.5	1.6	2.2	1.6	2.0	4.	•5	•	•	5.		18.5
	NCY OF	HAIL	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
	PERCENTAGE FREQUENCY OF	TYPE OTHER FRZN PCPN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
	ENTAGE	SNOW	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
	PERCI	PRECIPITATION TYPE FRZG SNOW OTHER PCPN FRZN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
		DRZL	*	٦.	r.	4.	₩.	5	'n	ø.	6.	5.		1.0	٥.	~	⁻:	٦.	•	4.	175	<b>8</b>
934-1969		RAIN	•	•	•	•	*	•	•	*	٦.	-:	*	•	*	*	•	•	•	•	0	4.
		RAIN	7.	7		6.	.5	1.0	1:1		1.5	1.0	1.5		1.0	.2	-:	•	•	7	215	10.2
PERIOD: (PRIMARY) (OVER-ALL)		WND DIR	z	ZNE	Z	ENE	ш	ESE	SE	SSE	S	SSW	MS	MSM	2	RZ	MZ	322	VAR	CALM	TOT 085	TOT PCT
PER100:																						

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TABLE 2

	TOTAL OBS	910	519	498	519	2146	100.0
	SIG	50.7	48.4	55.4	40.5	1046	48.7
	UTHER WEATHER PHENDER FOG SMOKE DUST WO HAZE BLWG DUST PCPN BLWG SNOW	°.	•	~	•	-	*
	SMOKE HAZE	2.0	2.7		1.0	36	1.7
		29.8	30.6	26.7	36.8	665	31.0
	THDR	•	•	• 5	.2	7	-:
	TOTAL PCPN OBS	107	95	82	112	366	
	PCT FREQ PCPN AT OB TIME	17.5	18.3	16.5	21.6		18.5
1	HAIL					0	
	FRZN	•	•	•	•	0	•
	SNOW	•	•	•	•	0	•
	PCPN	•	•	•	•	0	•
i	DRZL	7.0	7.7	8.8	4.6	176	8.2
	RAIN	6.	ė	4.	ø	10	ŗ.
	RAIN	10.7	10.4	7.4	11.8	217	10.1
	HOUR (GMT)	60300	60390	12615	18621	TOT	PCT

		_	0-4-4-4-0-5-0-0-0-0-0-0-0-0-0-0-0-0-0-0-		
		21	601441774866474177777777777777777777777777		
		18	######################################		
_			1 1 10 10	21	040/4/48
180W		15	004404800040404 400 40440004404040404040	<b>&amp;</b>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ADAK 172-1		GMT) 12		pro <b>q</b>	5.7 6.2 8.9 11.9 11.9 19.4 19.4 19.4 100.0
0		_	WUUUL W 2 2 2 L I Q 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	15	000000000000000000000000000000000000000
0000 55N		HDUR 09	<pre></pre>		100 100 100 100 100 100 100 100 100 100
AREA 51-		•	01	GMT ) 12	00 00 00 00 00 00 00 00 00 00 00 00 00
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	) BY		100000000000000000000000000000000000000	90	041867060700
	AND	8			11 18 18 18 18 19 100
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	BY S			00	00400100000
				0	7. 0.00 1.00 1.00
	DIRECTION	N O	mrorr400000m44r0000		
<i>w</i>	DIR	AE.	00000000000000000000000000000000000000	1	
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	NCY	OTAL 08S	113 795 171 171 171 173 173 173 173 173 173 173	PCT	486494777 6 0 48748844604 0
	FREQUEN	-		IL.	10 10
	FRE	<b>+8</b> +	000000000000000000000000000000000000000	OTAL Obs	183 174 174 293 504 504 103 103
	ENTAGE	۲.	70 00++0+	-	
	CENT	S) 34-4	• • • • • • • • • • • • • • • • • • • •	+1+	00000#0#0
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4-19		SFEE 21	wr-14-0-4-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	ED (	01.0011100 NB
193		ND 11-1	91 100000000000000000000000000000000000	SPE 17-1	200
RY) ALL)		10 NI	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WIND -16	NW-1-WONFO BN
I MAR ER-A		<b>,</b>	ULL 101994609101 14	32 p.	W/W W 14
PR		0-3	ww.d 4 w o v m w o w o m o o o o o o o o o o o o o o	9-0	2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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AREA 0009 ADAK 51-55N 172-180W	
TABLE 7	CUMULATIVE PCT FREQ DF SIMULTANEDUS DCCURRENCE DF CEILING HEIGHT (NH >4/8) AND VSBY (NM)
1934-1969 1899-1969	
PERIOD! (PRIMARY) (OVER-ALL)	
PERIODI	

	0R	2	6	1.5	5.4	18.6	39.6	56.2	63,1	65.4	90.7	1440
	• 0R	>50YD	6.	1.5	5.4	18.6	39.6	56.2	63.1	65.4	6.68	1426
	* 0R	>1/4	6.	1.5	5.4	18.6	39.6	56.0	62.7	65.0	82.7	1313
_	0R	>1/2	3.	1.5	5.4	18.4	58.9	55.2	61.6	63.8	75.6	1199
VSBY (NM	= 0R	7	6.	1.4	5.3	18.3	38.7	54.3	60.1	62.0	69.5	1103
	■ OR	>5	₩.	1.4	5.2	17.6	36.6	51.4	56.3	57.5	62.4	() ()
	. OR	<b>^</b> 2	1.	1.2	6.4	15.7	31.5	43.4	46.8	47.4	50.2	197
	* OR	>10	5.	.7	2.7	0.6	17.5	22.5	23.3	23.4	24.0	381
	CEILING	(FEET)	■ OR >6500	•		■ DR >2000						TOTAL

TOTAL NUMBER OF OBS: 1587

PCT FREQ NH <5/8: 9.3

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

TOTAL OBS	2025
OBSCD	17.2
60	52.6
7	8.8
	7.7
10	2.3
4	2.3
m	1.7
7	3.2
-	2.7
0	1.6

Y

ADAK 172-
AREA 0009 51-55N
TABLE 8
1934-1969 1899-1969
PERIODI (PRIMARY) 1934-1969 (OVER-ALL) 1899-1969

1.2 22.7 23.9 2.1 6.0 8.1 4.8 9.3 14.1 5.5 23.2 26.7 100.0 3.2 7.4 10.6 2097 67 156 223 25 476 501 309 43 126 169 101 195 296 116 444 560 CALM TOTAL * ~ ~ .5 16. 0.7 440 . . . 000 000 000 000 000 000 PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY 2.60 0.10 * 44 0.40 1.8 .0 1.6 34 100 9.1 0.10 0.00 1.7.1 .8 1.1 27 87 040 * "r 1.5 1.32 1.5 1.2 2.1 4.0 4.0 306 13.5 1.0 2.0 1.4 184 1:1 X S X •1 •7 18 2.07 2.4 2.1 2.8 1.1 1.2 1.7 243 * 1.1 25 9.59 SSE .5 4.4 2.8 2.0.0 2.73 1.5 1.5 1.7 2.93 2.1 214 1.0 1.0 1.3 1.3 29 SSE -w.o e. 6.1 .2 .4 13 1.2 35 35 1.1 649 3.9 4.00 1.0 96 ESE • 9 .2. 6.0 2.6 5.5 2.62 1.5 1:1 131 1.4.1 4.4 6.00 * ~ ~ 1,50 9.0 * 400 4.40 440 58 4:40 * " ~ 4.60 1.5 * 6.6 . . . 0 * ~ 37 * 0, ~ 0.40 11.5 12.5 1.0 1.6 34 3.5 2 000 0.40 010 - n. a PCP NG PCP TG FAL PCP NO PCP TOTAL PCP NO PCP TOTAL PCP ND PCP Total PCP NO PCP TOTAL PCP NO PCP TOTAL TOTAL PCT 1/2<1 VSBY (NM) 5<10 1<2 2<5 10

PERIOD: (PRIMARY) 1934-1969 (OVER-ALL) 1899-1969

TABLE 9  TAB			PCT	1.6	5.0	5.5	1.0	13.1	5.	•	•	1.2		•	9	•	•	3.6	4.3	5.4	13.5	•	10.9	• •	•	•		28.0		100.0
TABLE 9   TABLE 10000   TABLE 100000   TABLE 10000   TABLE 100000   TABLE 100000   TABLE 100000   TABLE 100000   TABLE 100000			•	46	145	162	30	383	14	20	69	34 187	62	101	87	36	267	48	125	158	396		319	94	873		316	618	1	2925
TABLE 9   TABL			CALM						.2			٥	7.	•			20								27					3.5
TABLE 9   TABL	3		⋖	0	•	•	•	0	•	•	0	္၀	O	0	0	0	0	•	•	o o	• •	0	0.0	0	0	•		••		00
TABLE 9   TABL	ADAK 172-18		Z						*	*						*	'n	•		# (		*	4.4	*	54	7		* 2		2.5
Percent Freq of Wind Direction vs wind specified   Perc	9000 55N		Z	7	£.		•	17	0.	0	-	* w		*	.2	*	11	.1	•5	4	50 *		40	*	51	.2	•	•2		162
SPD NNE NE ENE ESE SE SE SE SIN WENTER OF WIND DIRECTION VS NT NT VARYING VALUES OF WISSING NT NT NT VARYING VALUES OF WISSING NT	AREA 51-	Ω.	N	*		ů.	•	16				* •							•					. 2	37		. 0	39		122
SPD NNE NE ENE ESE SE SE SE SIN WENTER OF WIND DIRECTION VS NT NT VARYING VALUES OF WISSING NT NT NT VARYING VALUES OF WISSING NT		4D SPEE	*	-:	.7	• 2	∹:	45	•	4.	-:	150	17	9	5	-:	39	.2	.7	é.	21	2	1.3		129	4.	1.5	120		396 13.5
SPD NNNE NE ENE E ESE SE		VS	S	٦.	<b>.</b>	• 2	*	53	*	ů,	ů,	27					21	*					•	•	82		• •			2.6
RIDD: (PRIMARY) 1934-1969  SPD NNE NE ENE E ESE SE SE  0-3  14-10  1-21  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3					œ.	9.	.2	21	*	.2	a. (	23	.1	.2	5	7	<b>58</b>		ů.	<b>10</b> <	51		1.6	7	126	<b>∵</b> °	1:1	2. Z		354 12.1
RIDD: (PRIMARY) 1934-1969  SPD NNE NE ENE E ESE SE SE  0-3  14-10  1-21  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3  10-3		ID DIRE VALUES	S	*	.3	9.	•5	31	*	~	7.	17	•	.3	•2	7	17	*	.2	٥٠	35	*	• •	• •	28				1	7.0
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S	IMARY) ER-ALL)		z	•	∹	∹	•	<b>S</b>	•	# 1				•2	•	•	•	•1	7.		12		יי. יי	*	66	4.0	4	* 05		3.8
YSBY (NH) <11/2 1/2<1 1/2<1 1/2<1 10+			SPD	6-0	4-10	11-21	52+	TOTAL	0-3	4-10	17-11	TOTAL	0-3	4-10	11-21	22+	TOTAL	0-3	4-10	22+	TOTAL	0-3	4-10	22+	TUTAL	0-3	11-21	22+ TOTAL		PCT
	PERI		VSBY (NM)		<1/1>					1/2<1				1<2					2<5				5<10			101				

									AND/OR	TOTAL OBS	428	397	373	389	1587
ADAK 172-180W		TOTAL OBS	464	428	384	408	1684 100.0		VSBY (NM)	NH <5/8 AND 5+	10.0	8.6	8.8	5.7	132
		NH <5/8 T	16.6	15.7	10.9	11.0	231 13.7	12	OF RANGES OF VSBY (FEET,NH >4/8),BY	1000+ AND5+	34.3	34.5	28.2	28.3	499
AREA 0009 51-55N	AND							TABLE	OF RAN	<1000 <5	55.6	56.9	63.0	66.1	956
	>4/8), AND	TOTAL	83.4	84.3	89.1	89.0	1453			<600 <	33.9	34.8	38.3	41.1	586
	FREQUENCY OF CEILING HEIGHTS (FEET,NH OCCURRENCE OF NH <5/8 BY HOUR	8000+	•	·.	5.	.7	01.		CUMULATIVE PCT FREQ	<150 <50YD	23.8	22.9	26.8	28.5	404
	HTS (F 8 BY H	6500	•	•	•	3.	พพ		MULATI	HOUR (GMT)	00603	60390	2515	18621	T01
10	3 HE 1G	5000	1.1	• 5	•	.7	من		ה ט	īJ	ō	ō	-	1	
TABLE	CEILING	3500	3.7	6.4	3.1	5.9	3.7								
	Y DE	2000	15.5	12.1	13.5	8	212 12•6			TOTAL OBS	428	397	373	389	1587
	REQUENO OC	1000	17.2	21.0	20.3	21.3	335		BY HOUR	+01	34.6	32.2	25.7	26.2	474
	RCENT F	009	13.8	15.9	1.5.4	17.4	265 15.8		(NM)	5<10	24.5	30.7	31.1	28.8	455
	PER	300	6.9	5.8	6.5	6.9	110	TABLE 11	VSBY	2<5	12.6	11.1	13.7	13.1	200
		150	1.5	3.0	1.8	2.5	37	TAI	FREQUENCY VSBY				6		
69		000	22.4	20.8	26.8	27.2	407			1<2	6.8	6.5	80	7.2	114
1934-1969 1859-1969		HOUR (GMT)	00503	60390	12615	18621	TOT		PERCENT	1/2<1	7.0	4.8	5.9	7.2	99
_		50	00	90	121	18	F 6		_	<1/2	14.5	14.6	15.3	17.5	245
(PRIMARY) (OVER-ALL)										HOUR (GMT)	60200	60390	12615	18621	T07
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<b>3</b>		ECTIO	3	4.		2.9	6.6	5.4	323	16.3		HUMIDITY						
ADAK 172-180W	14	WIND DIRECTION	MS	2.	7.6	6.8	11.9	2.2	0.4	2.0	91	VE HU	80-89	38.	59.9	17.	25.	ec 80
	TABLE	OF WIN	s	7.	76	· 10	-			17.6 2	TABLE	RELATIVE	70-79	12.3	7.9	3.7	4.5	151
AREA 0009 51-55N	•	FREQUENCY (	SE	0.	0.4		•		226			OF	69-09	1.4	٥.	٥.	•	61
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						-	6		-	1.0			HOUR (GMT)	0000	60390	12615	1862	101
		Š	FRE	4.	5.4	25.0	57.4	10.6	100.0									
			101AL 08S	80 (	108	496	1137	211	1982			HOUR	TOTAL 085	968	167	619	733	3015
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		₽¥		7.	m e	4.	14.7	•	200	29.3		(DEG I						
		DITY	80-89		~					2			NIW	40	38	33	36	38
		RELATIVE HUMIDITY	70-79	.2	1.2	1.9	3.5	• 5	151	7.6		OF TEMP	1%	42	45	41	41	4
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1934-1969 1803-1969		FREQUENCY	65-05	0.0	0	•	•	•	0.0	0	<u>-</u>	AND	95X	57	55	25	4	ç
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(PRIMARY) (OVER-ALL)			30-39									XTRE	<b>x</b> 66	9	9	26	20 (	0
		PERCENT	0-29	0,0		•	o.	•	o o	•		MEANSJEXTREMES	XAH	99	9	63	8	0
PERIODI			TEMP F	69/69	55/59	50/54	45/49	44/04	35/39 TOTAL	PCT		Ĭ	HOUR (GMT)	60300	60390	1221	12281	

TOTAL 

PERIDD: (PRIMARY) 1934-1969 (DVER-ALL) 1899-1969

RIMARY) 1934-1969 IVER-ALL) 1899-1969 172-180W
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		FREQ D		22-3	0	•	•	•		•	٥.			•	•	•	•	•	•	•			0		0	ш	22-3		•		5.				•		•	•	•	•		•	•		•			0 • 1
	ō.	PCT	z		•						•													15				•	1 1	•	•	•2	•5									•						•
	1963-196			-	2.0	•	۲.	•	•	•	•	•	•	•	•	•	•	•	•						5.0		4-10	•	0.	۲.	•1	0.	•	•	•	•	•	•	•	•	•	0	•	•	•	9	2 4	•
( ≿	<b>%</b> ( ) 1			1-3	•																				•2		1-3	.7	c·	•	•	•	o.	•	•		Ö	o.	•	•	•	•	•	•			1	:
IDDI (PRIMA	•			HGT	<b>7</b>			•	~	8-9		75	3-1		0-2	3-5	6-3	3-4	1-4	9-6	1-7	1-8	87+	TOTAL	PCT		HGT	₹		•		^	6-8		12	3-1	7-1	0-5	3-5	6-3	3-4	41-48	10	-1	170	٠,	1 L	

SEC) (SEC) (SEC) 6-7 9-9 10-11 12-13 713 1NDET

		TOTAL OBS	75	94	9	54	82	74	107	96	235	188	213	227	312	101	82	9	0	52	2066	100.0
ADAK 172-180W		S I G	2.6	1.5	1.4	1.3	1.8	1.5	2.0	1.5	4.0	3.4	4.7	5.6	10.8	3.7	2.8		•	1.4	1067	51.6
	z	R WEATHER PHENOMENA SMOKE DUST NO HAZE BLWG DUST SI BLWG SNOW WE	•	•	•	0	•	•	•	°	°.	°.	°	°.	•	°.	0	°.	°.	•	0	°.
AREA 0009 51-55N	DIRECTION	R WEAT SMOKE HAZE	*	•	*	*	*	.2	•	.2	6	<b>∹</b>		۲.		••	7		•	#	53	2
	MIND DI	FOG S	'n	6	m,	6	6.	1.1	1.3	1.7	4.9	3.2	3.5	3.2	5.6		۰.	6.	•	6.	557	27.0
	BY	THDR	•	•	0	0	•	Ó	•	•	•	•	•	*	•					•		*
-	OCCURRENCE	TOTAL PCPN OBS	0	<b>6</b> 0	23	21	25	15	98	27	94	64	36	35	28	10	\$	•	0	W	388	
TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME	4.	4.	1.1	1.0	1.2	.7	1.8	1.3	2.2	5.4	1.9	1.7	•	'n	٠. د	<b>.</b>	•			18.8
		HAIL	•	•	?	•	•	•	•	•	o	•	•	•	7	•	•	•	•	•	7	•
	FREQUENCY	TYPE OTHER FRZN PCPN	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
	ENTAGE	TATION SNOW C	•	?	•	•	•	o.	•	•	0	•	•	•	•	•	•	•	•	•	0	•
	PERCE	RECIPII FRZG PCPN	•	•	•	•	•	•	•	•	•	•	•	•	·	•	•	•	•	•	0	•
		P.F.	.2	~	~	٣.	m.	.2	•		•	1.3	æ.	0.	0.	•		*	•	*	167	8.1
1934-1969 1900-1969		RAINSHER	•	o.	•	•	•	#	*	•	*	-	-:	~	· •	c.	•	~	•		18	6.
		RAIN	• 2	.2	٥.	.7	6.	5.	1.3	•	1.6			•	.2	•5	~	-:	•	•	221	10.7
(PRIKARY) (OVER-ALL)		WND DIR	z	NE	W Z	ENE ENE	w	ESE	SE	SSE	S	SSE	N	I SI	3	Z	X Z	Z	VAR	CALM	TOT 085	TOT PCT
PER 1001																						

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TABLE 2

TUTAL OBS	594	518	450	527	2089	100.0
JENA NO SIG	51.7	47.3	64.7	45.4	1082	51.8
OTHER WEATHER PHENOMENA FOG SMOKE DUST NO WO HAZE BLWG DUST SIG PLDG SNOW HEN		•	•	•	0	•
THER DU BLWG						
SMOKE SMOKE HAZE	2.5	3.3	1.3	3.0	54	2.6
H O O O	28.1	30.3	19.3	29.0	564	27.0
LHDR	•	•	.2	•	-	*
TOTAL PCPN	105	66	65	119	388	
PCT FREQ PCFN AT	17.7	19.1	14.4	22.6		18.6
HAIL		•	•	.2	7	•1
OTHER FRZN	•	•	•	•	0	•
SNOW	•	•	•	•	c	ô
PRECIPIT FRZG PCPN	•	0	•	·	0	•
DRZL	7.2	7:1	7.3	10.2	167	8 0
RAIN		?	\$	1.1	8	•
RAIN	10.4	12.4	6.9	12.1	221	10.6
HOUR (GMT)	60300	60390	12615	18621	101	PCT

TABLE 3  OUENCY OF WIND DIRECTION BY SPEED AND BY HOUR  TUTAL PCT MEAN  OO 03 06 09 1  OO 3 00 00 00 00 00 00 00 00 00 00 00 00 0	ARY)	ž		0	1969										A H	٩	DAK		
QUENCY OF WIND DIRECTION BY SPEED AND BY HOUR         HOUR (GHT)         IS         18         2           TUTAL         FREQ         SPD         3.2         3.3         3.7         3.9         4.3         .9         2.9         6.0         9.1         1.5         1.8         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5<	-ALL) 1900-1969	1900-196	1900-196	1969					TABLE						5 1 <del>-</del> 5	₹ 1-1	72-18	T.	
TUTAL PCT MEAN  108 3.7 9.8 12.6 5.0 12.6 3.7 3.9 4.3 2.9 6.1 10.0 10.0 10.0 10.0 10.0 10.0 10.0	PERCENTAGE	PERCENTAGE	PERCENTAGE	PERCENTAGE	ERCENTAGE	ų,	FREQ	JENCY D	IL.	DIRECTI	B	PEED	₽	HDUR					
108 3.7 9.8 13.2 3.3 3.7 3.9 4.3 2.9 2.9 6.9 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	WIND SPEED (KNDTS) 4-10 11-21 22-33 34-47 4	WIND SPEED (KNOTS) -10 11-21 22-33 34-47	WIND SPEED (KNDTS) 11-21 22-33 34-47	EED (KNDTS) 22-33 34-47	34-47	4	<b>*</b>	OTA 08S	P C	SP		ŏ		m	•	9	T) 2 1	1	
28 2.0 11.6 1.7 1.6 2.1 2.4 1.9 2.6 3.1 1.7 1.6 2.1 2.4 1.9 2.6 3.1 1.7 1.6 2.1 2.8 2.8 2.6 2.4 2.6 3.5 1.7 3.6 1.8 3.8 2.2 2.8 2.8 2.6 2.4 2.6 3.5 1.7 3.6 1.8 1.8 4.8 1.8 1.8 2.2 2.8 2.8 2.6 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8	1.0	8 1.0	1.0	6	•	•	0	108		•			W	<i>е</i>	7	4	• •	8	Ġ
100 3.5 10.6 12.8 12.2 2.6 5.8 5.8 3.4 4.3 11.7 10.1 10.1 10.1 10.1 10.1 10.1 10.1	. 7	. 7	7.	. ~		•	0	58		1			`~	9	7	-	9 2.	<b>M</b>	•
71 2.5 12.4	1.0	3 1.0 .4	1.0	4	•	•	0	0					. ~	2	8	m	4	-	'n
115 3.6 11.8 2.9 2.7 2.3 3.6 4.8 6.1 3.6 5.8 13.9 4.8 13.1 3.1 4.1 13.3 1.9 6.0 4.1 4.5 6.5 2.6 6.1 3.1 5.1 13.9 4.0 11.2 13.9 6.0 4.1 4.5 6.5 2.6 5.1 5.1 5.1 13.9 4.0 11.2 13.1 14.1 13.1 13.1 13.1 13.1 13.1 13.1	.8 1.1 .2 .0	.8 1.1 .2 .0	1.1 .2 .0	.2	•			~		2			~	9	9 2	2.	6 3.	~	1.
86 3.0 12.8 3.8 2.2 3.5 1.5 2.2 6.1 3.1 2.  119 4.8 13.5 13.5 13.5 13.5 12.1 8.5 1.5 2.2 6.5 5.5 4.5 13.4 4.1 4.5 5.3 1.7 13.8 13.4 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5	. 1.2 .4 .0 .	.6 1.2 .4 .0 .	1.2 .4 .0 .	. 0.	•		_	0	•	-		•	7	7 2	9	•	8 6.	(M)	3
139	.2 1.3 .3 *	.2 1.3 .3 *	1.3		*			8	•	2.		•	~	2 3	2	2.	2 6.	W I	2
119	.8 1.9 .6 .1	.8 1.9 .6 .1	1.9 .6 .1	.6	. 1.			3		5		•	9	4	1	•	5 2.	ın	•
304 10.5 13.5 13.5 11.5 12.1 8.5 11.8 8.4 10.4 11.7 10. 347 12.0 13.9 12.2 9.3 8.3 37.8 11.5 12.0 13.9 12.2 9.3 8.3 37.8 11.5 12.9 12.2 9.3 8.3 32.9 11.4 13.9 12.2 13.7 9.9 14.2 11.5 11.7 10.3 12.4 10.3 14.4 10.4 17.1 11.3 4.7 11.3 4.8 10.2 13.7 11.0 11.3 12.4 10.3 14.4 10.4 17.1 11.1 11.3 4.7 11.8 3.2 4.9 3.6 1 3.1 3.5 6.0 3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	.9 1.7 .3 .2 .	.9 1.7 .3 .2 .	1.7 .3 .2 .	. 3 .2	. 2.			-	•	ë		\$	4	4 5	9	'n	3 1.	m	'n
257 8.9 14.7	.0 4.1 1.7 .1	.0 4.1 1.7 .1	4.1 1.7 .1	1.7 .1	7.	*		0	ö	9		-	12		5 11	80	4 10.	11	10.
347 12.0 12.8 11.2 13.7 9.9 14.2 11.5 7.8 11.7 16. 32.9 11.4 13.9 12.4 10.3 14.8 10.2 9.9 11.4 13.9 11.7 11.0 12.9 11.4 13.9 11.4 13.9 11.2 13.9 11.4 10.3 14.4 10.3 14.4 10.2 14.4 10.2 9.0 10.2 11.3 12.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 14.4 10.3 10.3 10.3 10.3 10.3 10.3 10.4 10.3 10.4 10.3 10.4 10.3 10.4 10.4 10.3 10.4 10.3 10.4 10.3 10.4 10.3 10.4 10.3 10.4 10.3 10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4	.8 4.1 1.6 .1 .	.8 4.1 1.6 .1 .	4.1 1.6 .1 .	1.6 .1 .	. 1.			5	8	4		æ	11	5	9	7.	9 12.	0	8
329 11.4 13.9 12.7 11.0 11.3 12.4 10.3 14.8 10.2 9.  415 4.8 13.1 4.8 13.1 4.8 13.1 4.10.3 14.4 10.4 17.1 11.1 11.3 4.8 13.1 4.8 13.1 4.8 13.1 4.8 13.1 4.8 13.1 4.8 13.1 4.8 13.1 4.8 13.1 4.8 13.1 4.8 13.1 4.8 13.1 4.0 4.1 1.5 2.4 6.1 3.5 6.0 3.1 3.2 13.1 3.2 13.1 3.2 6.0 3.1 3.2 13.1 3.2 13.1 3.1 3.1 3.1 3.2 6.0 3.1 3.1 3.2 6.0 3.1 3.1 3.2 6.0 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	.6 5.2 1.2 .1	.6 5.2 1.2 .1	5.2 1.2 .1	1.2 .1	٠,	*		4	2	2.		-	13	7	9 14	11.	5 7.	11	16.
415 14.4 13.1 14.8 11.5 18.4 10.3 14.4 10.4 17.1 11.1 13.5 4.0 13.9 3.6 7.5 7.0 4.3 5.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	.7 5.4 1.6 #	.7 5.4 1.6 #	5.4 1.6 #	1.6 *	*	*		2	1	ë		2	11	0 11	3 12	10.	3 14.	10	Ġ.
139 4.8 13.3 4.2 3.8 3.9 3.6 7.5 7.0 4.3 5.8 13.5 4.7 11.3 3.5 6.0 3.9 3.7 6.1 3.1 3.5 6.0 3.9 3.2 4.9 4.1 3.6 3.4 6.1 3.8 3.2 4.9 4.1 3.6 3.4 6.1 3.8 3.2 4.9 6.1 3.8 3.0 4.6 11.5 4.2 3.8 3.0 4.1 1.5 4.2 3.8 6.1 10.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	.0 6.7 1.6 *	.0 6.7 1.6 *	6.7 1.6 * .	1.6 *	*			~	4	ë		\$	11	5 18	4 10	14.	4 10.	17	11.
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2.7 .0 .7 3.6 3.6 3.4 .0 .7 3. 12.6 660 182 434 330 416 115 420 32 100.0 100.0 100.0 100.0 100.0 100.0 100.	0. 0. 0.	0. 0. 0.	0.	0.	0.	0 (		•	0		•	•	•	•	•	• •	0.1	•	
36 054 CII 914 066 454 381 000 100.0 15.31 00.00 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	) A COL 100 B 285	) A COL 100 B 285	7 6 001 707	900	9 00 0	~ a		•	•		• 4	• 0	• 4	• 6		• -	• (	. (	
	9	7.3 24.1 3.5 .3	26.1 2.50		007	9		Ö	1			707				110	0 70	י מי	

,									TOTAL OBS	53	6 4 7	39	4 o	78	177	135	155	254	6.9	4	> ¢	N.	100.0
							>4/8)		NH <5/8	60	v. 4	e .	1 4	ů.	1.0	٠, ۵	1.3	2.5	0.1	•	٠ •		
	180W					ì	(FT.NH >	NOI	<b>\$000</b>	og i	• •	0	. 0	0.0	. w	-:-	::	0.0	• •	00	•	11	
	ADAK 172-180W							DIRECTION	6800	7	0	0.0	•		: -:	<b>:</b> -	•	o c		0.0	2 6	٠,	4.
	AREA 0009 51-55N						S HEIGHTS	ONIM	5000	•	Ç 0	0	•	•	•	0.		2.0	•		•	. 6	•
	ARE 51		AL	842 764 531 746 883			CEILING	<5/8 BY	3500	•1	0.7	0.0	, 0	۲.	::	ij	, m	4		<u>.</u> .		• M	2.0
		Ç	101 A	~	. 1	TABLE 6	9	¥	2000 3499	ø,	. 4	2.0	, n	6	1.2	6.	1.2	3.2	. n	4.0	. 4	_	11.9
		JR (GHT	PCT	10001		TA	FREQUENCY	INCE OF	1000	0		1.0		1.1	2.0	2.5	2.5	3.6	1.2	<b>.</b>	. 4	S	24.2
		BY HOUR	MEAN	12.8 12.1 13.4 12.1 12.1				OCCURRENCE	666	9	4.0	ů.	\$ rU	9.	1.1	1.3	1.4	3.1	7.1	'n.	<b>,</b> "	243	15.6
	4	SPEED	CALM	2.63.5 1.69.5 1.69.5	1		ERCENTAGE	AND	300	• 5	. 2	4.0	14	۲۰	1.2	٠, «	• •	4,0	0	٠.	? -	106	•
	TABLE	MIND	(KNDTS)				۵.		150	.1				٠.	. n	۰,۰	4	w.		000	• 0	3.0	2.2
		ACY OF	SPEED 34-47	1.00					000	•			. 0	1.7	4.3	2.5	2.8	2.8	۰.	2.0	? 0	G	23.7
		FREQUENCY	WIND 22-33	10.5	1																		.,
		PERCENTAGE	11-21	42.0 38.7 43.7 39.1 11.74			(EIGHTHS)	N N	CLOUD	•		•	• •	•	7.6	•	• •	•	• •	9.0		7.4	
		PE	4-10	00000000000000000000000000000000000000	1			z	OTAL (	53	44	39	64	78	177	135	167	254	61	640	39	S	9
	<b>0</b> 0		1-3	7.7 8.1 9.0 7.7	•	2	CLOUD AMOUNT	DIRECTION	2 CO	<b>ش</b> ر	5 2	0.	'n	4.0	4	· «	9	'nν	i ru	7.0	0		.3 10
	934-1969		HOUR	00603 06609 12615 18621 TOT		TABLE		IG GNIM	-7 8 08S	٦,	7	2 . 2	0 0	4 4		0 6	. 60	3 11 a	2	1 0	3	7	76
							TOTAL	¥ >	4. R	1 .					-	-	-	m		1 0		2	17
	(PRIMARY)						REQ OF		2		<b>-</b> 2	0	o ⊶	c	) pu (	7 -	• •	• • 	<b>,</b> w	NC	, <b></b>	. M	4 W
							PCT F		6	•	• •	•	• •	•	• •	•	•	•	• •	•	• •	5	M
	PERIODI								WND DIR	Z	Z Z	ENE	ESE	S	် လ	300	ESE.	æ 2 3	Z	N C N	ပ	<b>6</b>	0 <b>T</b> PC

AREA 3009 ADAK 51-55N 172-180W

	TABLE 7
1934-1969	1900-1969
PERIODI (PRIMARY)	(OVER-ALL)

HULTANEDUS DCCURRENCE	AND ASET CAR.	
SI	Ē	TAME TO SE
CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE	or celeino netoni	
300	5	

	* OR	2	1.2	1.7	3.7	15.6	39.9	55.6	62.4	9.49	88.0	1369
	. 08	>50YD	1.2	1.7	3.7	15.6	39.9	55.6	62.4	64.6	87.4	1359
	. OR	>1/4	1:1	1.7	3.7	15.6	39.7	55.3	62.0	64.1	78.8	1225
_	# 08	>1/2	1.1	1.7	3.7	15.4	39.4	54.9	61.0	63.0	72.6	1129
VSBY (NR	9	7	1.1	1.7	3.7	15.4	39.1	54.1	59.9	61.7	67.8	1055
	. OR	>5	1.0	1.6	3.6	15.1	37.7	51.4	56.0	57.4	61.6	958
	. OR	>5	6.	1.5	3.4	14.0	34.3	45.0	48.6	49.7	52.2	812
	* OR	<b>&gt;</b> 10	9.	1.0	2.5	4.6	21.0	26.4	27.5	27.7	28.4	441
	CEILING	(FEET)	•	_	•	•	•	OR >000	•	•	•	TOTAL
			•	•	•	•		•	•	•	•	

PCT FREQ NH <5/8: 12.0 TOTAL NUMBER OF OBS: 1555

TABLE 7A

2.3 3.4 2.5 2.1 2.7 8.2 11.3 48.6 16.8 1845 TOTAL T 8 03SCD JBS 9 2.1

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

		PCT	13.5	2.1	7.1	5.5	9.	4.5	12.4	4.5	26.2	1.8	29.9	100.0	
		TOTAL	276	44	145	72	177	92	255	93	538	36	613	2051	0.001
		CALM	0.85	0	7.	* -:	W	· *	-		14	0.0	16	52	
MO.	•	VAR	000	• •	• •	00	0	• •	•	•••	0	•	•	00	?
ADAK 172-180W	PRECIPITATION	X	0.14	) 4	,,	•:	7	0. %		* ^•	16		27	900	۲۰۶
0000 SSN	RECIP	ž	* 40	• •	44	* -;	4	# 17	5	-1 80	18	* :	45	88	> •
AREA 0009 51-55N	<b>P</b>	X X	:4:	9	. 2	# 2	•	-: ?	۰	.2	27	0,	64	101	
	URRENC	*	1.0	*	15	4 6	22	2.	36	4.9	103	÷.	110	312	7.5
	NON OCCURRENCE	MSM	1.6		17	2.9	18	4.0	90	4.2	99	2.5	58	223	10.1
	۳. ۲	N	1.2	, 71	19	40	28	5.1	34	2.0	64	4.	26	213	• • • • • • • • • • • • • • • • • • • •
ы 80	TION VS DCCURRENCE H H VARYING VALUES OF	KSS	1.8	, i	17	1.0	27	4 0	52	2.1	36	1.	30	185	>
TABLE	VS DCC	v	2.9		21	4.0	20	4.0	78	2.0	45	٠,	4.0	232	211
		SSE	1:1		.01	.1.	80	w 4	12	w.	22	-: 1	15	76	•
	D DIRE	SE	1.8.6	4.	::	.2	•	٠. 4	19	40	28	20	23	106	;
	OF WIRD	ESE	1.4.	7.		∹*	6	<u>.</u> .	6	.27.	20	* -	23	73	·
	FREG	<b>ш</b>	0.6.	7		4 *	•	w 4	14	40	27	* 0	19	18	;
	PERCENT	ENE	o. #	4,	•	7.1	-	2.4	60	4.	2	0	21	54	;
1969		NE	# - <del>'</del> w	* -	4	4.*	6	4.1.	11	.2.	•		25	60	;
1934-1969 1900-1969		NNE	* ",	0.3	-	00	0	7.1.	•	* ^-	12	* 1	16	2.2	;
(PRIMARY) (OVER-ALL)		z	7.00	•	+ <b>-</b> 4	7.7	'n	0.7	en .	4.6	19	00	36	3.7	
PERIOO! (PRI			PCP NO PCP TOTAL	P.C.P.	TOTAL	PCP NO PCP	TOTAL	PCP NO PCP	TOTAL	PCP NO PCP	TOTAL	PCP NO PCP	TOTAL	TOTAL	
PER		VSBY (NM)	<1/1>			142		2<5		5<10		10			

		PCT	7.18	• •	3110 to 5	41691	2.9 4.7 2.9 11.6	20 6 8 8 5 4 6 6 8 5 4 6 6 8 5 4 6 6 8 5 4 6 6 8 6 8 6 8 6 8 6 6 6 6 6 6 6 6 6 6	4	100.0
		TOTAL	163	335	33 53 61 160	112 58 82 44 196	39 132 74 325	68 267 386 101 822	104 420 371 67	2800 1
		CALM 1	•	16	. e	w	. 9	9 9	1.0	77
MO		VAR	0000		00000	00000	00000	00000	00000	00
ADAK 172-18		Z	0.100		*****	0**0N	0 +	# 4 W # W		3.1
LEA 0009		Z	-mo*	10	0*:.0	0 * ~ * w	0010		1.1	129
AREA 51-5	ED	X Z	* - 0.*	1.	* 0 * 0 N	0444	* 21.12	*4817	18470	138
	D SPE TY	*		56	116#4	06464	47.60	29	22.01	412
	VS WIN	MSM	4.00.4	35		* 4 4 1 2	 	2.1	10.1	320
	ECTION S OF VI	MS	-4.W.#	53	* # # 4 H W		t	10 1 0	4.1 4.4 100	341
м 6	ND DIRE	MSS	* 0 7 4	64	*	24.00	3.00	1.0.0		242
TABLE	OF WIR	v	10.00	99	******************	0 N	- • • • • • • • • • • • • • • • • • • •	t w & 4 w &	1.1	295
	T FREG	SSE	# 4 10 0		0,4,00	* ~ + * *	0##%	~~~* m	044*6	115
	PERCEN'	SE	4666	17.2	*	04400	04612	#101-00	0.4 m # 0	134
	_	ESE	- 7 - 1 *	14	004#10	004#19	010*0		02418	82
		ш	* 2.70		1,000,	077.	125.130	30.02	# 0 m # 0.	103
		E S	*000		01104	0#11			N	2 65
-1969 -1969		N N	* -: 0.0		* -: 0; + 4	04440	6. # 0. 7. 6	20#14	187.44	3.4
1934-1969 ) 1900-1969		N N	7,000	1	000*~	00000	0#440	114.16		2.0
IMARY) ER-ALL)		z		<b>60</b>	• * • • • →	00442	-0#0W		41.5.12	3.8
ERIOD: (PRI		SPD	0-3 4-10 11-21 22+	TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
PERI		VSBY	<1/2		1/2<1	142	2<5	5<10	10+	

HOUR 1994-1969  HOUR 1000-1969  HOUR 1000 150 300 600 1000 2500 5500 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 6409 7999 7999 7999 7999 7999 7999 7999 7	1934-1969   TABLE 10										AND/OR	TOTAL OBS	460	370	330	395	1555
HUNR 000 150 200 600 1000 2000 550 6499 7999 6499 7999 6499 7094 101.4 18.6 10.0 150 200 600 1000 2000 550 6499 7999 6499 7999 7999 7099 7099 7099 7099 7099 7	TABLE 10  TABLE 11  TABLE 12  TABLE 11  TABLE 11  TABLE 12  TABLE 11  TABLE 12  TABLE 11  TABLE 12  TABLE 11  TABLE 12  TABLE 11  TABLE 11  TABLE 12  TABLE 11  TABLE 12  TABLE 12  TABLE 13  TABLE 14  TABLE 14  TABLE 15  TABLE 15  TABLE 15  TABLE 16  TABLE 16  TABLE 17  TABLE 17  TABLE 17  TABLE 11  TABLE 11  TABLE 11  TABLE 12  TABLE 11  TABLE 12  TABLE 12  TABLE 11  TABLE 12  TABLE 12  TABLE 12  TABLE 12  TABLE 13  TABLE 12  TABLE 13  TABLE	180W		TAL 185	484	388	333	402	607			5+8	13.7	11.1	13.0	6.1	171
TABLE 10  PERCENT FREQUENCY OF CELLING HEIGHTS (FEET-NH >4/8)  UCCORRENCE OF NH <5/8 BY HOUR  (GMT) 1934-1969  PERCENT FREQUENCY OF CELLING HEIGHTS (FEET-NH >4/8)  UCCO3 21:3 2:3 6.4 15.5 23.7 12.4 1.8 .5 .3 .0 84.1 12615 25.5 11.6 2.7 .4 .8 1.0 81.0 81.0 81.1 137 12.1 2.3 6.4 15.5 23.7 12.4 1.8 .5 .3 .0 84.1 137 12615 25.5 .6 6.0 13.8 25.8 10.5 11.8 .9 .3 .6 85.1 137 1261 24.1 3.0 7.7 19.4 22.9 11.7 1.2 .5 .2 1.0 91.4 137 126 25.5 11.6 27.7 11 137 126 25.5 .6 6.0 13.8 25.8 10.5 11.8 .9 .7 11 137 127 12 12 .5 .2 1.0 91.4 137 12 12 .5 .2 1.0 91.4 137 12 12 .5 .5 .2 1.0 91.4 137 12 12 .5 .5 .2 1.0 91.4 137 12 12 .5 .5 .2 1.0 91.4 137 12 12 .5 .2 1.0 91.4 137 12 12 .5 .5 .2 1.0 91.4 137 12 12 .5 .2 1.0 91.4 137 12 12 .5 .2 1.0 91.4 137 12 12 .5 .2 1.0 91.4 137 12 12 .5 .5 .2 1.0 91.4 137 12 12 .5 .5 .2 1.0 91.4 137 12 12 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5	TABLE 10  PERCENT FREQUENCY DE CEILING HEIGHTS (FEET-NH >4/8)  DCCURRENCE DF NH 52/8 BY HQUR  HQUR  HQUR  COND. 200 3500 5000 6000 600 1000 2000 5000 6000 6000 6000 70TA  HQUR  LZELS 11.3 2.3 6.2 12.6 22.5 11.6 2.7 .4 .8 1.0 81.0  12ELS 25.5 .6 6.0 13.8 25.8 10.5 1.8 .5 .3 .0 84.1  1EELS 25.5 .6 6.0 13.8 25.8 10.5 1.8 .5 .3 .0 84.1  TABLE 11  PERCENT FREQUENCY VSBY (NH) BY HQUR  COMULATIVE PCT FREQUENCY VSBY (NH) BY HQUR  CEILING HETT  COMULATIVE PCT FREQUENCY VSBY (NH) BY HQUR  CEILING HETT  COMULATIVE CLEICH HETT  COMULATIVE PCT FREQUENCY VSBY (NH) BY HQUR  CEILING HETT  COMULATIVE CLEICH HETT  COMULATIVE PCT FREQUENCY VSBY (NH) BY HQUR  CEILING HETT  COMULATIVE CLEICH HETT  COMULATIVE CLEICH HETT  COMULATIVE CLEICH HETT  COMULATIVE CLEICH HETT  COMULATIVE PCT FREQUENCY VSBY (NH) BY HQUR  CEILING HETT  COMULATIVE CLEICH HETT  COMULATIVE CLEICH HETT  COMULATIVE CLEICH HETT  COMULATIVE PCT FREQUENCY VSBY (NH) BY HQUR  CEILING HETT  COMULATIVE CLEICH HETT  HGRS 13.6 6.1 7.0 12.7 26.8 33.0 00609 23.5 33.0  12ELS 24.6 33.0 6.8 11.4 26.8 32.2 39.5 118ELS 24.6 37.7  TTOT 24.7 57.0 15.5 37.7  TOT 24.7 57.0 15.5 37.7  TOT 36.7  TOT 36.8 32.7  TOT 36.				18.6	15.2	14.1	8.2		12	IGES OF V	1000+ AND5+	36.5	34.9	32.7	32.4	533
TABLE 10  PERCENT FREQUENCY OF CELLING HEIGHTS (FRETANH OCCURRENCE OF NH 45/8 BY HOUR NH 45/8	HDUR   1934-1969   FRECENT FREQUENCY OF CELLING HEIGHTS (FEET/NH OCCORRENCE OF NH 45/8 BY HDUR OCCORRENCE OF NH 46/8 BY HDUR OCCORRENCE OCC	AREA 0	3), AND		4.	60	6.9	•	378	TABLE					54.	61	
PERCENT FREQUENCY DF CEILING HE  GGUNRENCE DF NH GGHT) 1900-1969  PERCENT FREQUENCY DF CEILING HE  GGUNRENCE DF NH GGHT) 1499 2999 5999 1999 3590 5090 5090 5090 5090 5090 5090 5	TABLE 10  (UVER-ALL) 1904-1969  PERCENT FREQUENCY DF CEILING HE  UCCURRENCE DF NH HDUR HDUR HOUR 		8/4< H								T FREG		33.5	33.0	32.7	37.7	5
PERCENT FREQUENCY DF CEILING HE  GGUNRENCE DF NH GGHT) 1900-1969  PERCENT FREQUENCY DF CEILING HE  GGUNRENCE DF NH GGHT) 1499 2999 5999 1999 3590 5090 5090 5090 5090 5090 5090 5	TABLE 10  (UVER-ALL) 1904-1969  PERCENT FREQUENCY DF CEILING HE  UCCURRENCE DF NH HDUR HDUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR HOUR <td></td> <td>(FEET.) HOUR</td> <td></td> <td>8</td> <td>М</td> <td>m</td> <td>2 1</td> <td><b>7</b> 4</td> <td></td> <td>TIVE PO</td> <td></td> <td></td> <td>23.</td> <td>24.</td> <td>24.6</td> <td>368</td>		(FEET.) HOUR		8	М	m	2 1	<b>7</b> 4		TIVE PO			23.	24.	24.6	368
ARY) 1934-1969  -ALL) 1900-1969  HDUR 0000 150 300 600 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	(DVER-ALL) 1934-1969 (GUVER-ALL) 1900-1969  HGUR) 0000 150 300 600 100 (GHT) 149 299 599 199 199 199 199 199 199 199 199 1		EIGHTS C5/8 BY		4	2	6	9	0.0		CUMULA	HOUR (GMT)	0000	06609	12615	18621	101
ARY) 1934-1969  -ALL) 1900-1969  HDUR 0000 150 300 600 100 000 100 000 100 000 100 000 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	(DWENARY) 1934-1969 (GUVER-ALL) 1900-1969  HDUR (GHT) 0000 150 300 600 100 (GHT) 149 299 599 199 199 199 199 199 199 199 199 1	BLE 10	OF NH					2	31								
ARY) 1934-1969  -ALL) 1900-1969  HDUR 0000 150 300 600 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 000 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	(DVER-ALL) 1934-1969 (GUVER-ALL) 1900-1969  HGUR) 0000 150 300 600 100 (GHT) 149 299 599 199 199 199 199 199 199 199 199 1	7	OF CE		•							OTAL OBS	460	370	330	395	1555
ARY) 1934-1969  -ALL) 1900-1969  HUUR 0000 150 300 6000 (GMT) 149 299 599 999 999 999 999 999 999 999 99	(DVER-ALL) 1934-1969 (DVER-ALL) 1900-1969  HDUR 0000 150 300 6000 6000 6000 150 2.3 6.4 15.5 12.6 0.0 13.8 12.1 5.5 12.6 0.0 13.8 12.1 5.5 12.6 0.0 13.8 18.2 1 24.1 3.0 7.7 19.4 10.7 19.4 10.7 19.4 10.7 19.4 10.0 15.3 10.0 15.2 10.0 15.2 10.0 15.2 10.0 15.2 10.0 15.2 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 15.3 4.0 10.0 10.0 15.3 4.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0		EQUENCY OCCU		2.5	3.7	80	5.9					41.7	37.6	35.8	32.2	
PER  HDUR 0000 150 300  (GMT) 149 299 599  00603 21.3 2.3 6.2  06609 21.9 2.3 6.4  12615 25.5 .6 6.0  18621 24.1 3.0 7.7  TOT 370 34 106  PCT 23.0 2.1 6.6  PCT 23.0 2.1 6.6  15.9 4.3 5.9 7.0  15.4 3.8 6.2 9.2  13.6 6.1 7.0 12.7  17.5 5.3 6.8 11.4  244 75 100 153	(DVER-ALL) 1934-1969 (GUVER-ALL) 1900-1969 (GMT) 149 299 390 (GMT) 149 299 599 00603 21.3 2.3 6.2 0609 21.9 2.3 6.4 12615 25.5 .6 6.0 18621 24.1 3.0 7.7 TDT 370 34 106 PCT 23.0 2.1 6.6 PCT 23.0 2.1 6.6 PCT 23.0 2.1 6.6 O0603 15.9 4.3 5.9 7.0 O0603 15.4 3.8 6.2 9.2 12615 13.6 6.1 7.0 12.7 18621 17.5 5.3 6.8 11.4		Z	009	12.6	15.5	13.8	•				5<10	.2	•	•	8.92	
ARY) 1934-1969 -ALL) 1900-1969 -ALL) 1900-1969 (GMT) 1 00603 21 06609 21 12615 25 18621 24 TDT 3 PCT 23 PCT 23 16.9 4.3 15.9 4.3 15.4 3.8 13.6 6.1 17.5 5.3	(PRIMARY) 1934-1969 (UVER-ALL) 1900-1969 (GMT) 1 0 00603 21 06609 21 12615 25 18621 24 172 1/2<1 (GMT) 00603 15.9 4.3 06609 15.4 3.8 12615 13.6 6.1 18621 17.5 5.3		PER	300	6.2	4.9	0.9	7.7	106							4	153
ARY) 1934-1969 -ALL) 1900-1969 -ALL) 1900-1969 (GMT) 1 00603 21 06609 21 12615 25 18621 24 TDT 3 PCT 23 PCT 23 16.9 4.3 15.9 4.3 15.4 3.8 13.6 6.1 17.5 5.3	(PRIMARY) 1934-1969 (UVER-ALL) 1900-1969 (GWT) 1900-1969 (GMT) 126.15 25 126.15 25 126.15 25 1724 (GMT) 15.4 3.8 126.15 13.6 6.1 186.21 17.5 5.3									Į.	EQUENCY	1<2	5.9	6.2		6.8 1	100
ARY) -ALL) -ALL) -17.2 -17.2 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5 -17.5	(PRIMARY) (OVER-ALL) (OVER-ALL) (CMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT) (GMT	1969		000	21.3	21.9	25.5	24.1	370			1>:			1.0		
& 4 4	(DVER-AR (COVER-AR (GWT)) 00609 06609 12615 107 107 107 107 107 107 107 107 107 107			HOUR (GMT)	0000	60390	12615	18221	PCT		PERC		0.				
		IMARY)										_					

PERIODI (PRINARY) 1934-1969  TABLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  TO 29 30-39 40-49 50-59 60-69 70-79 80-69 90-100 0BS FREQ  TO 20 30-39 40-49 50-59 60-69 70-79 80-69 90-100 0BS FREQ  TO 20 30-39 40-49 50-59 60-69 70-79 80-69 90-100 0BS FREQ  TO 20 30-39 40-49 50-59 60-69 70-79 80-69 90-100 0BS FREQ  TO 30-39 40-49 50-59 60-69 70-79 80-69 90-100 0BS FREQ  TO 30-30 40-49 50-59 60-69 70-79 80-69 90-100 0BS FREQ  TO 30-30 40-49 50-59 60-69 70-79 80-69 90-100 0BS FREQ  TO 30-30 40-49 50-59 60-69 70-79 80-69 90-100 0BS FREQ  TO 30-30 40-49 40-49 60-69 70-79 80-69 90-100 0BS FREQ  TO 30-30 40-49 40-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49 41 50-49				CALM	•	-	•	1.4	6.	•	99	3.1			TOTAL	628	609	319	594	2150
COVER-ALL) 1904-1969   TABLE 13			d.	YAR	•	•	0	•	0	0	0	o.		8	Z	90	91	93	26	26
TABLE 13   1934-1969   TABLE 13   TABLE 13   TABLE 14   TABLE 14   TABLE 13   TABLE 14   TABLE 14   TABLE 13   TABLE 14   TABLE 15   TABLE 15   TABLE 15   TABLE 15   TABLE 15   TABLE 15   TABLE 16				Z	0	٠.	6	70	7.1	٠,	69	6.			Æ					
COVER-ALL) 1934-1969				3	0	2	0	00	0	~	6	_			00-100	56.1	62.1	70.8	70.4	1374
COVER-ALL) 1900-1969	180M		IRECT				2	9	10			7				6.9	12.0	3.5	5.4	649
COVER-ALL) 1904-1969  TABLE 13  FERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP    O-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100   BBS   FREQ   N   N   E   S	ADAK 172-		OQNI	Š	•		2.2	11.2	10.0		-	3		TIVE		7	<b>&amp;</b>	6	8	m
TABLE 13	0000 5N	TABL	<b>P</b>	U)	.2	• 2	2.1	9.1	7.2		401	18.8	TABL		70-7	5.	4	5	6	2
CDEF   PRIMARY   1934-1969   PRIMARY   1934-1969	AREA 51-5		QUENCY	SE	•	~				•	0				69-09	1.6	1.0	•	5	50
TABLE 13				ш		*	6			• 2	2	•		FREQUE		e.		o		*
CDCER_ALL  1934-1969			PERCE	Ä	0	•	4.	1.8	3.8	• 2	133	6.5		ERCENT		•	•	•	•	0
COVER-ALL  1900-1969   TABLE 13				z	•		.2	1.9	3.6	7.	129	0.9		ā		60300	60390	12615	18621	101
COVER-ALL  1900-1969   TABLE 13			-	FREG	e.	1.4	80	_	6.04	1.3	8									
TABLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100  0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100  0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100  0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100  1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			14 707	1017L 08S	•	58	188	886	1002	27				aur	TAL BS	846	764	537	747	894
TABLE 13  TABLE 13  TABLE 13  TABLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDITY B  0-29 30-39 40-49 50-59 60-69 70-79 80-89  0-29 30-39 40-49 50-59 60-69 70-79 80-89  0-20 0-0 0-0 0-0 0-0 0-0 0-0 0-0 0-0 0-0			Q. E	001		٠,		•			•			₽						
(DD: (PRIMARY) 1934-1969 (DVER-ALL) 1900-1969 (DVER-ALL) 1900-1969 (DVER-ALL) 1900-1969  TABLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDI  0.0 0.0 0.0 0.0 0.0 0.0  0.0 0.0 0.0 0					7	'n	3.2	13.9	12.3	٦.	644	30.1								
(DD: (PRIMARY) 1934-1969 (DVER-ALL) 1900-1969 TABLE 13 PERCENT FREQUENCY OF RELATIVE  0-29 30-39 40-49 50-59 60-69 7  0-29 30-39 40-49 50-59 60-69 7  0-20 0-0 0-0 0-0 0-0 0-0  0-0 0-0 0-0 0-0 0			HUMIDI				.1	9.	6.		60	€.		TEMP						
COD: (PRIMARY) 1934-   COVER-ALL) 1900-   COVER-A			ATIVE	0-69 7	•	٠,	.2	4.	*	•	19	6.								
COD: (PRIMARY) 1934-   COVER-ALL) 1900-   COVER-A	696	TAB		9 65-0	•	•	7.	•	•	•	n	.1		P.C.S.NTI	*0					
HEANS, EXTREMES  HEANS,	1934-1		JENCY		•	•	*	•	•	•	-	*	4		10					
	~		FREQU	-39 40	0	•	•	•	٥.	•	0	•								
	PRIMA!		RCENT		0	0	0	•	o.	o.	0	•		EXTR	66	•	ō	'n	Ñ	ō
			PE	0-										MEANS	MAX	99	67	29	99	67
	PERI				69/69	49/09	55/59	50/54	45/49	40/44	TOTAL	PCT		-	HOUR (GMT)	60300	06509	12615	18621	101

PCT FREQ

TABLE 17

AREA 0009 ADAK 51-55N 172-180W

PRECIPITATION)	FDG	
	₹0 20	4 9
IG (WITHOUT	T01	1001 1001 1001 1001 1001 1001 1001 100
E OF FOG (	0 0 N 00	•••••••••
JRRENG	61	000000000000000004N
E OCCI	57	N
F) AND THE OCCURRENCE (TEMPERATURE DIFFERENCE	5 S	0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	49 52	4
JRE (DEG AIR-SEA	4 4 N m	
ATURE VS AI	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	000000000000000000000000000000000000000
TEMPERATURE VS AI	40 40	0000000000000000
OF AIR T	AIR-SEA TMP DIF	17/19 11/16 11/13 9/10 7/8 6 6 7/8 1-1 1-2 1-2 1-4 1-4 1-5 1-7 1-7 1-10 1-10 1-10 1-10 1-10 1-10 1

	80M		Tatal	5	• •	18	13	•	9	0	<b>→</b>	0	0	0	<b>•</b>	0	0	0	0	0	0	0	54	4.6		TOTAL	m	13	15	10	2	e	<b>→</b>	-	-	0	0	0	0	0	0	0	0	0	0	52	9.1
	ADAK 172-18		484	•		0	•	?	•	•	·	0	•	•	•	•	•	•	•	•	•	0.	0	•		48+	•	0	•	•	•	•	•	•	•	•	•	0	•	•	•	•	•	•	•	0	•
	0000 55N	1.	JE 34-47		•	0	•	.2	٥.	0	•	•	•	•	•	•	•	•	•	•	•	•	1	•5		34-47	•	•	•	•	•	•	•	•2	•	·	•	•	0	•	•	•	•	•	•	7	•5
	AREA ( 51-5	HEIGHTS (F	N 85-66	J		-	1.0	.5	•	•	.2	•	•	•	•	•	•	•	•	•	0,	•	12	2.1	S	22-33	•	•	6.	•	2.	•	•	•	.2	•	•	•	•	•	0.	•	•	•	o.	4	.7
		SEA HEI	11-21		٠, ٠	•	1.0		٠.	0,	•	•	•	•	•	•	•	•	•	•	•	•	28	6.4		11-21	•	•	1.6	•	.7	٠.	•2	•	•	•	•	•	•	•	•	•	•	•	0.	n	2.1
		VERSUS	4-10	• •	1.0	•	7.	.2	c.	•	•	0	•	<u>.</u>	•	0	•	•	•	°.	•	•	12	2.1		4-10	6	1.0	.7	-2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	°	~	2.3
ST	E 18	DIRECTION	1-3		.2	0	0.		•	0	•		•	•	•	•	9	•	•	•	•	•	-	•2		1-3	•2	•	•	•	•	۰.	•	•	•	•	•	0.	•	•	•	•	•	•	•	<b>-</b>	•5
AUGUST	TABLE	(KTS) AND	TOTAL	5		11		7	6	0	7	0 (	<b>5</b>	<b>5</b>	> 0	<b>&gt;</b> (	0	0	0	0	0	0	52	9.1		TOTAL	m		17	9	-	m	-	7	-	0	0	0	0	0	0	0	0	0	0	5	6.8
		SPEED	+84		0	•	•	•	•	•	•	•	•	9	•	•	•	•	°	•	•	•	0	•		48+	•	o.	•	•	•	•	°.	•	•	•	•	•	•	•	•	•	•	°.	•	0	o,
		F WIND	34-47							•				•		0		•	•	•	•	•	0	•		24-45	•	•	•	•	•	•	•	•	•	•	0.	•	•	•	•	•	•	•	•	0	•
		T FREQ O	N 22-33	,		0	۳,	•2	•2	•	•	•	•	•	•	ວຸ	•	o.	•	•	•	•		.7	w	22-33	•	0	• 5	•2	•	•	•2	• 2	.2	•	0.	•	•	•	•	0,	•	•	•		1.2
	6	PC			9	6	1.0	•	6.	•	.2	•	•	•	•	•	•	•	•	•	•	•	19	3.3	_	11-21	o	•	1.7	<b>.</b>	o	•	•	•2	•	•				•							
	1963-196		4-10	• •	2.3					•						•		•	•	•	•	•	27	4.7		4-10			.7			•	•	°.	0	•	•			•			•			_	3.1
	RIMARY)		1.3	•						•					•				င					e.		1-3			•					•	•	°.				•						7	e.
	PERICO: (PRIN		H		1-2	3-6	2-6	7	8-9	10-11	15	3-1	61-11	740	7-0	֡֝֞֜֝֞֜֜֝֓֜֝֞֜֜֜֝֓֓֓֓֓֜֜֜֜֜֓֓֓֓֡֜֜֜֜֓֓֓֡֓֜֜֜֡֓֡֓֜֜֜֡֓֡֓֡֓֡֜֝֡֓֡֓֡֜֜֡֡֡֜֝֡֡֡֡֜֝֡֡֡֡֡֜֝֡֡֜֝	3-4	1-4	9-6	1-1	1-8	œ	TOTAL	PCT		HGT	7	1-2	3-4	2-6	_	8-3	10-11	~	3-1	7-1	0-2	3-2	6-3	33-40	1-4	9-6	1-7	1-8	∞ '	TOTAL	PCT

																								GRAND	TOTAL	v	0 4	113	• •	32	15	14	4.	⊶ c	0	• •	0	0	0	0	0			100.0
*			TOIAL	- 0	31	13	12	•	5	m	0	0	0	0	0	0 (	<b>&gt;</b> C	•	• 0	•	96	1.6.7		TOTAL		<b>-</b> <u>-</u>	1	~	- 2	4	~	0	0 (	> <	0	• •	0	0	0	0	0		3	2.6
ADAK 172-180W			* C	9	•	0	•	•	0		0	•	•	•	0	0,0	ې د	,	9 5		٧. ن	ú		484	•	•			0	0	0	o.	o c	•	•	•	•	0			0	9	0	•
A 0009	FT)	3	14-46	•	•	•	0.	•	•	•	°.	0.	•	•	•	•		•	0	0	O	0	*	34-47	c	•	•	0	•	0.	•	•	•	•	•	•	٥.	•	•	•	•	•	0	0.
AREA 51-	GHTS (	•	65-22			6.	.2	1.0	5.	.2	•	•	•	•	0.0	•	•			0	17	3.0	z	22-33	•			2			.2	0 '	•		0	0	0	0.	0	^	3.	ڊ		
	SEA HEI		17-11	•	•	1.2	•	•	6.	•	•	•	0	0,	•	?	•		20	0	48	8.4		11-21	•	• "		1.0		.2	•	•	•		0	ò					•		→	5.4
	VERSUS	•	07-4	2.7	• •	.7	•5	•	•	o.	•	•	•	•	ė.	•	•		9	0	24	4.2		4-10	•		•	0	0	.2	•	0	٠ د	•	•	•	•	•	•	•	•	? :	→	2.1
ø,	RECTION		9 0		•				•		•	•	•	•	•	•	•		•	•	4	6.		1-3	·	•			0	0.	•	•	•	•	•	•			•	•	•	• '	7	ŗ
TABLE 1	AND DIR																																											
	(KTS)	č	4	33	18	20	15	4	2	6	~	~	0	0	0 0	0	0	C	0	0	0	18.1		TOTAL	•			32		9	7	m .	٦ ٥	<b>&gt;</b> C	0	0	0	0	0	0	0	C	<u>.</u>	•
	SPEED		•		•					•					•					•	7	• 5		48+		•		•	•	•	•	0	•		•					•	•	•	<b>O</b>	•
	OF WIND		-		•	•	•2	•	•	6	•	• 5	•	•	•	•		0	0	•	4	.7		34-47	9		0	•	•	•	•	•	•	9	•	•	•	•	•	•	•	•	> (	•
	T FREQ	·	,		.2	•	1.4								•									22-33			. 2	.7	• 5	• 5	0,1	ů	•		•	0	0.	•	0	•	•	• -	•	4.7
65	DC	;		•	•		•												0		5			11-21		•		3.8	•						•			•			•		-	,
1963-1969		01-7	)	3.1	•	2.		•	0	0	•		•				0	0	0.	°.	2	4.5		4-10	o,	•	1.0	•	• 2	•				0			0		•	•	0,0	• 4		•
MARY)		1	0	0	•	•	•	•	•	•	0	o.	•	•	•		0	•	•	•	0	•		1-3	0																o c		,	•
DI (PRI)		ŀ	2 7		3-4		-	8-0		12	3	-1	7-0	100	76-07	1-4	9-6	1.7	1-8	87	-	C		HGT	7	1-2	3-4		~	8-9	10-11	216	10	0-2	t	6-9	3-4	1-4	9-6	1-7	1-8	- +	1 6	٠

AREA 0009 ADAK 51-55N 172-180W

	TABLE 18 (CONT)
(PRIMARY)	(DVER-ALL) 1963-1969
PERIODI	

	TOTAL 085	38	162	146	113	62	32	15	14	4	-	0	0	0	0	0	•	0	0	0	587	100.0
(FT)	+8+	•	•	•	•	•	• 2	•	6.	•	•	•	•	•	•	•	•	•	•	•	m	5.
HEIGHT	34-47	•	•	•	•	.3	•	·	'n	•	•2	•	•	•	°	•	°.	•	•	•	•	1.0
VS SEA	22-33	•	•	•	3.6	2.9	5.6	1.4	1.2	€.	•	•	•	°.	•	•	•		•	•		14.3
(KTS)	11-21	•	10.2	16.5	12.3	6.3	5.6	1.2		•5	•	0.	•	•	•	•	•					9.64
SPEED	4-10				3.4		7.	•	•	•	c.	•	•	•	•	•	•	•	°	•	176	30.0
MIND	6-0	3.1	٥.	5.	•	•2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	27	4.6
	HGT	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-92	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

71-86	••••••
61-70	•••••••
49-60	••••••
41-48	000000000
33-40	000000000
26-32	••••••
23-25	••••••
20-22	•••••••
17-19	0000000
13-16	0,,,,,,001,
12	~ C 8 6 0 7 0 9 0
10-11	W 12
8-9	10.000
1	2 × × × × × × × × × × × × × × × × × × ×
2-6	10.7 10.1 10.0 10.0 14.0 14.0 14.0 14.0 14.0
3-4	14.2 2.59 2.59 15.00 23.83

SEC ) (SEC ) (SE

HEAN HGAN HWW

87+ TOTAL

248 196 108 108 43 43 650 100.0

		TOTAL OBS	7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	TOTAL 085	984 944 910 931 1969
ADAK 172-180W		A D A	w + w - u - u u u u u u u u u u u u u u u u		66.2 66.2 66.5 911
6000 NI	z	THER PHENDMEN DUST NO BLWG DUST S BLWG SNOW W	000000000000000000000000000000000000000	HER PHENDMENA DUST NO BLWG DUST SIG BLLG SNCW WEA	000000
AREA C	DIRECTION	SMOKE HAZE	.0.0.0000000000000000000000000000000000	HOUR HER WEATI SMOKE HAZE	9 9 6 8 4 9 0
	WIND DI	FDG S	1 1 1 10 10 10 10 10 10 10 10 10 10 10 1	¥ 00° 5°	14.0 8.5 10.9
	7	THOR	00000000000000000	DCCURRENCE THDR LTNG	##00N1
-	DCCURRENCE	TOTAL PCPN OBS	m. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	WEATHER DO Q TOTAL T PCPN E DBS	9 4 1 1 3 1 3 1 3 3 4 3 3 4 3 4 3 4 3 4 3
TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PR PR TIME	22.4 17.7 23.6 22.0
	ENCY D	HAIL	00000000000000000	FREQUENCY HAIL PCT DG	000000
	FREQUENCY	OTHER FRZN PCPN	•••••••	ERCENTAGE TION TYPE NOW OTHER FRZN PCPN	000000
	ENTAGE	SNOW (	000000000000000000000000000000000000000	P A N	000000
	PERC	RECIPI FRZG PCPN	000000000000000000000000000000000000000	RECIPI FRZG PCPN	000000
		DRZL	N-1	PDRZL	10.01
942-1969		RAIN		RAIN	1.6
		RAIN	30.47.0400 W L 4104 C 4 C 4 C 6 C 6 C 6 C 6 C 6 C 6 C 6 C	A A I A	12.0 11.9 9.7 13.0 160
(PRIMARY) (OVER-ALL)		WNO DIR	CAN EN SON CONTRACT OF THE	GMT)	00603 06609 12615 18621 707 PCT
PERIODI					

ź

8

PERCENTAGE FREQUENCY  ND SPEED (KNDTS)  11-21 22-33 34-47	PERCENTAGE FREQUENCY  IND SPEED (KNDTS)  11-21 22-33 34-47 48+ TOTA  2.0 1.420 11  1.10000  1.40100  1.972420  1.97242  2.972  3.10000  3.20000  3.3000  3.4  3.5  3.6  3.7  5.8  5.8  5.8  5.9  5.9  5.9  5.1  5.1  5.2  5.3  5.4  5.5  5.6  5.7  5.8  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.9  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0  5.0	MIND SPEED (KNOTS)  WIND SPEED (KNOTS)
SPEED (KNDTS)  11-21 22-33 34-47  2.0 1.4 .2  1.1 .0 .1  1.2 .0 .0  1.1 .0 .1  1.2 .0 .0  1.3 .0 .0  1.4 .0 .1  1.9 .7 .2  3.1 .0 .1  1.9 .7 .2  3.1 .0 .0  812 376 63  40.1 19.6 3.1  SPEED (KNDTS)  2.8 .1 .1  2.8 .1 .1  2.8 .1 .1  2.8 .2 .2 .3  3.1 .1  2.8 .2 .2 .3  4.1 .1 .2  2.5 .2 .3  2.6 .3  2.7 .28-40 41+ TD  2.8 .2 .3  2.8 .3 .1  2.8 .1 .1 .2  2.8 .1 .1 .2  2.9 .1 .1  2.8 .1 .1 .2  2.9 .1 .1  2.8 .2 .3 .3  3.3 .1 .1  3.3 .1 .1  3.3 .1 .1  4.5 .2 .3 .4	WIND SPEED (KNDTS) 4-10 11-21 22-33 34-47 1.5 2.0 1.4 .2 1.9 2.1 1.0 .1 1.0 1.2 22-33 34-47 1.9 2.1 1.0 .1 1.0 1.0 1.0 .0 1.0 1.0 1.0 .0 1.0 1.0 1.0 .0 1.0 1.0 1.0 .0 1.0 1.0 1.0 .0 1.0 1.0 1.0 .0 1.0 1.0 1.0 .0 1.0 1.0 1.0 .0 1.0 1.0 1.0 .0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	MIND SPEED (KNDTS)  -5 1.5 2.0 1.4 .2 -6 1.9 2.0 1.4 .2 -7 1.5 2.0 1.4 .2 -7 1.5 2.0 1.4 .2 -7 1.5 2.0 1.6 .0 -8 1.2 1.9 .9 .9 -8 1.2 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 .9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9 -9 1.6 1.9
ND SPEED (KNDT 13-21 22-34 15-21 22-34 15-21 22-34 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-	ND SPEED (KNDT 13-21 22-34 15-21 22-34 15-21 22-34 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-21 15-	MIND SPEED (KNDT)  WIND SPEED (WNDT)  WIND SPEED (W
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								TOTAL UBS	6	7 7 7 8	21	28	38	72	40	17	145	8	80 H	30	22	0	100.0
						>4/8)		NH <5/8 ANY HGT	1.2	7.			•	1.4	ָרָ הַּ	1:7	4.5	2.5	2.7	0		8	21.0
80M						(FT.NH >	8	\$000€	•	00	0.0	•	0.0	00	0 -	•		•	•	•	•	7	~
ADAK 172-180W							DIRECTION	6500 8		• •	•	0	•	•	•	•	7.			0	7	-	•
A 0009						CEILING HEIGHTS	MIND	5000	0	-0	•	•	0.0	•	• •	•	•5	·	•	0		50	ń
AREA 51-		<u>.</u>	0 to 0 to	•		EILIN	/8 BY	3500		• -	o c	•	7.	::		::	4	7.	• •	0	•	23	5.4
		TOTAL DBS	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	202	я. 6	P	NH <5/8	3499	9.	w.	4.4		20		, e	.2	1.6	•	1.3	0	e.	63	
	(GMT)	PCT FREQ	00000	0	TABL	FREQUENCY	ICE DF	1999	1.3	1.5	6.	0.	1.6	5.6	0 00	2.1	3.7	5.5	3.3		*	2	0
	Y HOUR	MEAN	15.1	15.2			OCCURRENC	600	ĸ,	1.2	٠. د	::	۰۰	2.1	0 10	1.8	1.9	9.1	7.1		9.		7.2 3
	SPEED BY	CALM	2.6 2.6 4.6	2.9		ERCENTAGE	AND OC	23			<b>-</b> -	. "	,, r	101		4	0.			0	0	56	<b>~</b>
TABLE 4	WING SP	(KNDTS)	6.1.6.	9 8		PER		50 3	6	0 %	۰٫۲	. <b>.</b>	0	27.	7 6	2	1 1	0	0	9	0	16	6
-	8	EED 4-47	90.74	3.1				000 1	9.	٥,٧	.1			0				7.	7.6	0	0	95	6.
	REQUENCY	WIND SP 2-33 3	18.4 17.7 20.3	W &				0.7			~	•	-	•	1	ľ	-					•	•
	12	21 23	0,4,40	1 2		3																	
	PERCENTAGE	11-2	64 64 64 64	80		(E1GHTHS	1	CLOUD	•					7.1			•	•	9 6		•	6.9	
	PE	4-10	29.0 30.5 23.5	<b>10</b> 0				OTAL (	64	0 6	21	28	38 7	72	72	17	145	0 0	20 00	0	22	0	
		1-3	0004 0000	0 •	50	AMDUNT	DIRECTION	۲ a	~ ~	o ~	~ "	· CO ·	- J	<u>س</u> ه	• •	<b>a</b> )	4	o w	י ש	0	7	4 (	
1942-1969 1900-1969		HOUR	0603 16609 2615 8621	F 5	TABLE	CLOUD		7 8 £	w.	4	- 4	. 7	W 4	4	1 4	4	<b>∞</b> г	ח ת	u w			9;	0
		-	8611			TOTAL	BY WIND		1	• •	• '					•	•	•	• •	•	•	53	•
(PRIMARY)						96		3-4	2,0			•	.2	4 -		€.	1.00	1 0	. 2	•	•1	9,	
						PCT FREQ		0-5	4	::	0.	0	20	4.	• "		9.0		. 4	0	.2	29	
PERIOD:						PC		WND DIR	Z	N W	ENE	ESE	SSE	N W	3 30	MSM	<b>3</b> 2	E 3	Z	VAR	CALM	TOT 085	5

	ADAK 172-180W
	AREA 0009 51-55N
SEPTEMBER	TABLE 7
	PERIOD: (PRIMARY) 1942-1969 (OVER-ALL) 1900-1969
	PER 1001

	0	OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)	G HEIGHT	/*< HN)	B) AND V	SBY (NA	_		
				VSBY (NM	_				
CEILING	• Ru	• 08	• 0R	• 80		• 08		* 6	
(FEET)	>10	\$2		7.	>1/2	>1/4	>50YD	<u>^</u>	
	*	6.	6.	6.	6.	6.	0.	6	
	.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	2.3	3.3	3.7	9.6	9.8	9.0	6.6	0	
OR >2000	7.6	11.7	13.0	13.1	13.2	13.3	13.4	13.4	
	21.0	37.4	42.5	43.4	43.6	43.9	44.0	44	
	28.7	50.9	58.4	0.09	6009	61.3	61.4	61.4	
DR >300	29.6	54.3	65.8	65.4	66.5	67.1	67.3	67.3	
	29.8	55.3	64.1	6.99	68.2	68.7	69.1	69.1	
	51.1	58.1	68.6	72.7	75.4	77.0	78.7	79.0	
TOTAL	297	555	656	695	721	736	752	755	

TOTAL NUMBER OF OBS: 956 PCT FREQ NH <5/8: 21.0

TARLE 7A

0 1 2 3 4 5 6 7 8 UBSCD UBS 2.8 3.7 5.0 4.7 5.2 5.6 7.7 11.9 44.5 8.9 1030

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

		PCT	4 IU 0 IU 4	91.0	91.0	5.6 6.9 12.5	8.0 27.6 35.6	2.7 34.2 37.0
		TOTAL	12 61 73	27 20 47	W 4 80	76 93 169	108 372 480	37 461 498 1347
		CALM	04.0	0.1.4	000	44.6		1.2 16 36 2.7
M O	7	VAR	000	000	000	000	000	000 00
ADAK 172-180W	PRECIPITATION	N N	7.0	-0.1	000	000	1.6	2.2 2.5 3.7 4.5 4.4
AREA 0009 51-55N	RECIP	Z	0.10	1.0	01.0	0 14	2.6	4.5 62 111 8.2
AREA 51-	P	Z	000			N.40	4 w o r	2.9 40 102 7.6
	URRENC	*	our	4:14	uer	1.6	4.2	5.5 77 188 14.0
	JR NON OCCU	MSM	óúw	0.1.1	4.0	6.8	2.6	2.8 40 105 7.8
	E OR N	N.	440	64.7	**:2	44.0	2.2	2.3 36 31 112 8.3
ю ш	CTION VS OCCURRENCE OR NON OCCURRENCE TH VARYING VALUES OF VISIBILITY	ASS	 	101		100	1.8	1.0 17 71 5.3
TABLE	VS DC	s	- iv. so		m m m	15.0	1.9	1.6 26 7.1
	ECT 10N	SSE	N.4.∞	400	<b></b>	L 4 4	1.1	 13 13 69 5.1
	40 DIRE	SE	000	m 0	••	21.4	1.1	4 wen 4 m
	OF WIND	ESE	0410	11.0	ii.	w 0	4.0	1.1 19 19 3.2
	FREQ	ш	044	1.2.5	44.0	2.54	4.	1.5 22 22 68 5.0
	PERCENT	ENE		0.1.1	446	4	4.00	1. 8. 13 13 7.2
1969	۵.	Ä	0,44	01.0	404	4.12	1.4	1.6
1942-1969 1900-1969		NNE	0.1.	1.01	7,17	2.5	.2	2.6 2.6
(PRIMARY) (OVER-ALL)		z	0:1	V-4	où w	7:11	1.3	2.00 3.00
			PCP NO PCP TOTAL	ND PCP ND PCP TOTAL TOTAL				
PER1001		VSBY		1/2<1	142	502	5<10	+01

4.

		PCT	•	0 4	•		2.	0	•	2.7		•	•	2.0	1	•	9 10		•	•		33.6	~		19.1	•	100.0	
		TOTAL		7 7 7 8 7 8			4	۷ ر	54	54				110		15	707	6	246	10	O O	165 671		- 1-	382 106	m	2000	
		CALM	e.			Ś	•			~	.2			M		4			00	1.0		20				22	93.0	>
<b>3</b> 08		VAR		0		0		9 0				•		•		•	90				••	٥°			00	0	00	•
ADAK 172-18		Z		::		7		0 0			•		•	:-	1 5		::			•	10	3.6		• •		26	101	•
0000 55N		ž		::		2		• •			°.		<b>:</b> -	. 2			: -:					20.0		• •	7.0	0	171	•
AREA 51-	ED	Z	0	00		0	•	-	::		•	-		31		o.	<b>→</b> (6		13			5.6			.3		139	•
	D SPE	3		7.		0	0		• •		•		4	, 40	)	- '	0 19	0		•		69			3.0	6	281	
	VS WIN	MSM		7.		4		0.0						1			u 4	1				53		• •	. 9		153	•
	CTION OF VI	NS.						• `						::			, ~			•	::	0.9	7	9.	4 10	71	180	•
LE 9	ID DIRE VALUES	SSW		7.		9	0.0	? -	0	-	•		<b>:</b> -			9 6	, w		16	~:	. •	37	7	01	· ·:	53	96	
TABL	OF WIN	S		<b>.</b>				? -					- r	. 0			יוי ני				1.0	9.0			::		134	
	FREG TH V	SSE	0.0	7.	.2	•		- 0			•		<b>.</b> .				4				•				• -:		91	
	PFRCENT W1	SE	٠.	7.7				• -									::								• -:		91	
	•	ESE	0.0	9 %	.1	5	•	? 7	:0	-	.1	7	• -	. 4			::		•	0,0	44	15	2.5	41	: -:	25	56 2.8	
		υ•	~•.	:-:	•	4	.2	7.7						20			. ~!	4	17		110	22	6	1.0	. ~	37	99	
		ENE		•			o.	: 7	0	7			٠,	. 0	•		7 7				, rJ	1.91			<b>:</b> -:		2.8	
-1969		χ Ψ		, 0		4		: 0		~				• →		- 4	7		11		<b>.</b> .			•	4		115	
1942		NN	o c		•	-	o c	•		~		<b>.</b> .		•	•		4 M			-44	4	5.4			. 7		3.4	
PRIMARY)		z		:0		7	•	? -	7	4			<b>:</b> -				n m				4 00 1				• •		111	
00 (PRI		SPD	0-3	11-21	22+	TOTAL	0-3	11-21	5+	TOTAL	5	-10	1 6	TOTAL	•	6=10	11-21	5+	TOTAL	0-3	11-21	22+ TOTAL	0-3	4-10	22+	TOTAL	TOTAL	
PERIO		VSBY CHN)		•			,,,,,	172/1				142				268	/			0178	;			10+				

									AND/OR	TOTAL OBS	253	252	228	223	956
ADAK 172-180W		TOTAL Obs	259	261	233	228	981 100.0		VSBY (NM)	NH <5/8	20.9	18.3	19.7	20.2	189
		NH <5/8 TC ANY HGT C	22.8	21.1	53.6	22.4	22.4 10	12	DF RANGES OF VSBY (FEET,NH >4/8),BY	1000+ AND5+	36.8	38.5	34.6	39.9	358
AREA 0009 51-55N	>4/8), AND	TOTAL NH	77.2	78.9	76.4	77.6	761 77.6	TABLE		0 <1000	5 42.3	3 43.3	2 45.6	6 36 5	13 409
	14 × H		.0	4.	7 4.	.0	2 2 7		T FREQ	<b>6000</b>	22.5	16.3	20.2	17.5	183
	EETJN	8000	•	•	•	•	•		VE PCT	<150 <50YD	11.5	7.5	13.6	8.5	98
	HTS (F	6500		80	4.	6.	٠,٠		CUMULATIVE PCT CEILIN	HOUR (GMT)	60300	60390	12615	18621	T07
10	3 HE I G	5000	4	<b>60</b>	4	4.	ww		3	ı.	•	0	-	-	
TABLE	ENCY OF CEILING HEIGHTS (FEET,NH OCCURRENCE OF NH <5/8 BY HOUR	3500	3.1	2.3	1.3	5.6	23								
	CY OF	2000	8.1	9.5	4.6	12.3	9.5			TOTAL OBS	253	252	228	223	956
	FREQUENCY OF DCCURRES	1999	29.7	31.4	28.8	29.4	293		BY HOUR	10+	47.8	4.4.4	41.2	49.8	438
	EN	009	14.3	19.5	17.2	16.7	166		(NK)	5<10	29.5	32.5	35.5	30.9	306
	PER	300	7.3	6.1	3.0	6.1	56	TABLE 11	FREQUENCY VSBY	2<5	9.1	12.3	15.8	10.3	113
		150	2.7	1.5	2.1	6.	18	1.4	UENCY	1<2	5.1	4.0	2.6	4.5	
65		0000	10.8	6.9	13.3	8.3	96			ř			7	4	4
1942-1969 1900-1969		HDUR (GMT)	60300	60390	12615	18221	T0T PCT		PERCENT	1/2<1	3.2	4.0	2.2	1.3	26
		문양	00	90	12	18	<b>⊢ a</b> .			<1/2	5.5	2.8	5.6	3.1	3.6
(FRIMARY) (OVER-ALL)										HIUR (GMT)	60300	60390	12215	18621	101 101
9 <b>ERIOD:</b>															

į

(PRIMARY) 1942-1969 (OVER-ALL) 1900-1969

PERIODI

SEPTEMBER

AREA 0009 ADAK 51-55N 172-180W

		CALM	•	~	•	C•1	25	3.1			TOTAL 085	467	468	245	445	1625
9	Ē	VAR	•	•	•	9	•	•		HOUR	HEAN	87	68	68	68	88
2		ž	7	7		200	212	13.1						.3	53.3	63
2	NOT 22	*	7	1.5			339	6.0		41017	80-89 90-100					
14	מוצ	NS	•5	1.0			276		16	VE HUI	80-8	37.5	36.	31.4	35.	58(
TABLE 14	PERCENI FREQUENCY OF MIND DIRECTION BY LEAF	S	0	0.			187		TABLE 16	RELATIVE HUMJDITY BY	70-79	13.1	11:1	12.7	10.1	189
2	ENCT	SE			0.		140	_	•		69-09	6.2	2.4	1.2	1.3	6.
	S S	w	0	•			126 1			PERCENT FREQUENCY OF					•	
1	KEN	ш								NT FRE	30-59					
Ğ	2	y .	•		5.3			9.5		PERCE	0-29	•	•	•	•	0
		Z	7	• (	7		152	9.6			HOUR (GMT)	60300	06209	12615	18621	101
	PCT	FRED	•		92.0	4.6	100.0									
	TOTAL		96		200	742	1620			HOUR	TOTAL Obs	577	557	352	539	2025
TU TU		80-89 90-100		1.4	0 0 0 0	2.8	801	40.4		F) 5Y		50.3	6.6	7.7	8.5	9.1
>a >-	-	80-89	7	7.7	7	1.0	577	35.6		(DEG	NIN	41 5				
2		0-19	0				189	11.7		PERCENTILES OF TEMP (DEG F) BY	<b>X</b> 7	44	Ü	<b>+</b> 1	43	75
TABLE 13	4 1 4 E	. 69-0	.2	•	•	9 -	49	3.0	_	LES O	5X	45	45	43	‡	;
TAB	וא אינו	0-59 6	••·	•	•	•	*	.2	TABLE 15	RCENT1	20%	20	64	48	8 4	64
2	L DENC	-49 5	0.		•		0	•	TA	AND PE	95% 5	57				
9	2	30-39 40-49 50-59 60-69 70-79	0.0	• ·	•	0	0	•				59				
TABLE 13  CASCENT EDECHERY OF DELATIVE WINTERTY BY TEMP		0-29 30	0.0	•	•	•	0	•		MEANS, EXTREMES	<b>%</b> 66 ×					
Ö		ů.	40	•	• 0	•	هـ.			MEAN	MAX	62				
		TEMP	49/09	27/08	4/84	4/04	TOTAL	PCT			HOUR (GMT)	0000	50790	12615	18621	T0T

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PCT FREQ DF

AREA 0009 ADAK 51-55N 172-180W AIR TEMPERATURE (DEG 5) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)

· ·

	M08			TOTAL	<b>~</b> • (	<b>o</b> c	'n	m	0	0	<b>.</b>	• 0	0	0	0	0 (	9 0	<b>&gt;</b> c		• •		2.0		TUIAL	'n		10	N 6	<b>8</b> 0	<b>.</b>	7	0	-	0 (	<b>.</b>	0	0	0	00	98	9.5
:	ADAK 172-18			<b>+8+</b>	0.0	2 6	0	0	0	0	• c	•	0	٥,	•	•	0.0	•	•		0	•	- (	4 C	•	•	0	o c	•	•	0	0	ű	o e	9 0	0	0	•	0 0	-	· m
	REA 0009 51-55N	FT.)	N.	34-4	o, c	• •	0	•			•				•				•	•	0	•	•	† †	•	•	0		. "	•		•	•		9 9				• •		3.
	ARE 51	IGHTS (		22-53	0.0						0 "						•			0		, 10	•			•					0.	•	°	o c	9 0	0	0.	•	0,0		1.8
		SEA HE		11-21	0.0	•	2	S	•	•		•			<b>ာ</b>	•		•	9 9	•		1.0				1.3	•					•	•	o o	•		•	•	00	16	4.0
		VERSUS		4-1:)	ů.	• •		m,									•		2 0			'n	•	07-4	•	٣,	e.	o c	• 0	•	0.	•	•	o c	• •	0	•	•	0.0	10	2.5
PTEMBER	ABLE 18	AND DIRECTION		1-3	•	•	•	•	•	0.0	•		0	•	0.	o.	•	•			0	•		9-1						•				•							5,
SE	-	(KTS) A		TOTAL	<b>⊸</b> °	1 4	7	10	8	•	<b>-</b>	• 0	0	0	0	0	•	<b>o</b> c	0		2	7.0	•	<b>4</b> -	m	9	<b>.</b>	0 0	• 0	· ~	0	0	0	00	0	0	0	0	00	25	
		SPEED		48+	o c		•	•	•	o c	• 0	0	•	•	• ·			•			0	•	0	•		•	o o	•		•	•	•	•	o c		•	•	•	0	0	•
		OF SIND		34-47	•						•				•	• ·	•	? ?	•	•	~	e.				°.													• •		
		T FREQ	z	22-3	o c		m		•	0.0	יי פי	0	0	c.	0.0	•	•		0		_		•	0.		•	•									0			• •		1.0
	696	PC		11-21	o.	1.0	•	1.5	•	iù (	•	•	•							•	~		•	7 .			Φ,			•			င္		0				00		2.3
	1963-19				oʻ.																	r.	•	1	•	1.0	m c	•	0	•	0	•	•		•	•	0	•	•	60	2,0
2	R-ALL)				ů.														•			m.	- 1			•							•		•				0		æ.
	realous (PKI			HGT		3-6		7	8-9	10	3-1	7-1	•	3-5	9 - 9	1	10	1-1	1-8	87+	$\vdash$	J	1	<b>&gt;</b> ~		3-4	1 1	- 1		12	3-1	7-1	2-0	7-6	3-6		9-6	1-7	448	-	U

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																									TOTAL	21	54	91	68	62	21	21	. 13	. "	•	-	0	0	0	0	0	0	0	399	100.0
3		TOTAL			18		12	m c	<b>9</b> (	٧.	• 0	00	a	0	0	0	0	0	0	0;	0	•			101								<b>0</b> 4											67	16.8
ADAK 172-180W		48+	•	0.	0	•	0	•	•	•	•	2	•	•	•	•	•	•	•	o c	0	•		•	•	•	•	•	•	•	•	•	0,4		•	•	•	•	•	0	•	•	•	-	6
A 0009	FT)	SW 34-47	•	•	•		ů,						0			•		•	c.	• ·	* 0	•	3		† †	•	•	•	•	•	0	•		0	0	0.	•	•	•	()	•	•	•	7	• 5
AREA (	IGHTS (	22-33	•	0.	•	1.3	0.1	n, c		9			•		•	•	•	•	•	9	71	•			cc_22	0	•	•	1.5	ů.	•	1.3	£.1	. "		•		•	•	•	•	•	2	2	5.8
	SEA HE	11-21		1.5	1.8	1.8	1.8	9 4		ů u	•	2 9	9	0	•	•	•	•	•	• ;	16	•			•	ô	1.3	1.5	2.5	0.	ů.			•	•	0	c.	•	0	•	•	•	0		7.0
	VERSUS	4-10	6.	1.0	•	•3	0.0	n (	•	•								•	•	c :	9	•		-	01	6.	1.3	8.	s.	m ·	•	•	•	0	•	•	•	·	•	o,	•	•	•	~	3.0
SEPTEMBER Table 18	DIRECTION	1-3	•	•	£.	•	o.	•	•	•	•	•	•	•	•	•	•	•	•	•	4 (*	•			1	6.	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	-	.3
SEPT	(KTS) AND	TOTAL		14		0	<b>.</b>	* (	> <	<b>-</b>	٠.	•	ı ~4	0	0	0	0	0	0		14.5			TOTAL		m			29		ο ·	<b>\$</b> (	n «	, ,	m	0	0	0	0	0	0	<b>&gt;</b> (	•	1	•
	SPEED	48+	•	•	•	•	•	•						0.	•			•			٠,	•		787	•	•	•	•	•	•	•		٠ • •	0	•	0.	•	•	0	•	•	•	•	7	s.
	OF WIND	34-47					٠. د					0		0.						•	• (			24-47		•							9								•		•		2.0
	T FREG	S 22-33	•	•			m .					, m		•							2.3	•	3	22-23	,	•	•	•	1.5	•	ů		, IO	•	∞.	•	0	•	•	•	•	•	•	7	8.8
69	90		•	2.0	•	•			•											2 0		•		11-21			•	•		•			•										2 :	٩,	13.8
1963-1969		4-10	•	1.5	•	0,0	<i>u</i> c					•	•	•	•	•	•	•	•		4.3	•		01-7	•		1.5	•	7 0	•	•	•	•	•	۰.	•	o.	•	ė.	•	•	•	2 6	V	5.0
IMARY) ER-ALL)							9														•	•		1-3		•							•											٠,	·
RIODI (PRI (OVE		HGT	7	1-2	3-4	010	- 8	10=11	12	3 - 1	7-1	20-22	3-2	6-9	3-4	7-I	9-6	-	1 0	TUTA	PCT			HGH		Ţ	1	3-6	1 1	- 1	0	5	13-16	7-1	0-5	3-2	26-32	3 · 4	1-1	7 0 0	1	1	0 6	- (	9

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KIND SPEED (KTS) VS SEA HEIGHT (FT)

ADAK	172-180
AREA 0009	51-55N

TOTAL OBS	31	54	85	06	95	21	21	13	17	•	9	<b>→</b>	0	0	0	0	9	0	0	411	100.0
<b>48</b>	•	•	•	•	•	0.	.2	•	٠,	•	.2	.2	•	•	•	•	•	•	•	5	1.2
24-47	•	•	0.	• 5	1.0	• 5	.7	.2	1.5		•	•	•	•	•	•	•	•	•	19	4.6
22-33	•	•	1.0	5.4	4.6	2.9	2.7	2.4	1.5	.2	1,2	•	•	•	•	•	•	•	•	90	21.9
11-21	ó	6.3	12.9	14,1	8.0	1.2	1.5	٠.	.7	•	•	•	•	•	•	•	•	•	•	186	45.3
4-10	3.2	9.9	8.0	1.9	1.5		•	•	•	•	•	•	•	•	•	•	•	•	•	68	21.7
6-0	4.4	.2	.5	.2	•	•	•	•	•	•	•	•	•	•	•	•	0	•	•	22	5.4
НСТ	₽	1-2	3-4	9-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	97+	TOTAL	PCT

TABLE 19

	HEAN	*	~	•	10	11	•	0	•	
	TOTAL	118	176	95	35	10	•	4.5	480	100.0
	87+	•	0	•	•	•	•	•	0	•
	1-86	•	•	•	•	•	•	•	0	°.
	7 07-1	•	•	•	•	0	ó	ç.	0	•
	49-60 61-70 71-86	•	•	•	•	•	•	•	0	•
	+ 84-1	•	•	•	•	0	•	•	0	•
WAVE PERIOD (SECONDS)	13-16 17-19 20-22 23-25 26-32 33-40 41-48	•	•	•	•	•	•	•	0	•
100 (SI	6-32 33	0	•	•	?	•	•	•	0	•
VE PER	3-25 2	•	.2	•	.2	•	•	o.	7	*
VS WA	0-22 2	•	9.	4.	<b>6</b> 0	•5	.2	•	=	2.3
HEIGHT (FT) VS	7-19 2	•	•	.2	•	•	•	•	4	Φ.
HEIGH	3-16 1	.2	2.3	3.5	•	**	•	•	34	7.1
F WAVE	12 1	•2	1.5	1.0	•	4.	•	•	18	
ENCY OF	10-11	0	3.1	1.9	φ.	•5	•5	•	34	7.1
FREQU	8-9 1	1.3	3.5	3.3	∞.	4.	•	.2	46	9.6
PERCENT FREQUENCY	7	2.3	10.2	4.8	5.2	•		•	0	20.0
	2-6	5.4	9.6	3.1	*	•	o.	•	58	18.5
	3-4	7.9	4.2	1.5	4.	0	•	.2	9	74.5
	1-2	2.6	₩.	•	•	•	•	•	31	0.0
	<b>₽</b>	Φ.	•	ပ္	•	•	•	<b>6</b>	44	7.6
	PERIOD (SEC)	9	6-7	6-8	10-11	12-13	¢14	INDET	TOTAL	Š

		TOTAL OBS	99	36	38	20	30	20	4	22	9	46	66	92	193	96	86	7.1	0	•	1028	100.0
ADAK 172-180W		ENA NO SIG	2.5	2.2	2.0	1.2	1.6	ω.	1.4	٥.	5.6	2.5	0.9	9.9	15.4	8	7.2	9.9	•	.5	737	71.7
		PHENOMENA IST NO DUST SI SNOW WE	•	o.	•	•	0.	•	•	•	•	•	•	7.	•	•	•	•	•	•		-
A 0009	NOI	ATHER PHI E DUST E BLWG DI BLWG SI																				
AREA 51-	DIRECTION	SMOKE HAZE	•	Š		•	•	•	•	•	7	•	.2	•	7	•	7	•	•	0	13	
	MIND D	FOG SP	•	∹	.2	•	.2	7	*	•		s.	80	ů.	4.	•	7.	Ç	•	•	32	3.1
	<b>B</b>	THOR	•	•	•	င့	•	•	့	•	.2	0.	•	0	•	2	•	•	•	•	7	.2
7	OCCURRENCE	TOTAL PCPN OBS	6		12	€		11	22	13	30	13	17	<b>5</b> 0	30	7	22	m	0		243	
TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME	6		1.2	•	1.2	1.1	2.1		5.9	1.5	2.0	1.9	•	.7	2.1	e.	•	7.		23.6
	ENCY OF	HAIL	7	•	•	•	•	•	•	•	•	•	•	•	•	•	-:	•	•	•	7	.2
	FREQUENCY	TYPE OTHER FRZN PCPN	0.0	•	•	•	o	•	•	•	•	o	•	•	Τ.	o.	•	•	•	•	<b>→</b>	-:
	NTAGE	SNOW	.2	₹.	•	•	•	•	•	o.	•	•	•	•	ó	•	.2	∹.	•	•	9	•
	PERCEN	PRECIPITA FRZG PCPN	•	? '	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
		P.I	4	י נ	-	Ŋ.	•	2	.7	5	1:1	•		4.	1:1	ů.		.2	•	0	68	8.7
1942-1969 1900-1969		RAIN	÷.		<b>ا</b>	•	•	~	•	•	-:	7	-5		•	<b>∵</b>	ŗ.	•	0		28	2.7
		RAIN	ů,	•	•	m	9.		1.9	1.2	2.0		1.2	1:1	1.3	4.	0.	•	o	0	137	13.3
(PRIMARY) (OVER-ALL)		WND DIR	Z	2 2 2	Z	ENE	ا ا <b>لا</b>	ESE	SE	SSE	S	<b>30</b> 0	X .	Z SZ	3	3 2 3	Z	Z	VAR	CALM	TOT 085	TOT PCT
PERIODI																						

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TABLE 2

	TOTAL OBS	274 257 248 248 1037
	MENA NO NI NI NE	69.6 69.6 65.3 71.4
	OTHER WEATHER PHENOMENA FOG SMOKE DUST NO MO HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	000411
5	ER WEA Smoke Haze	6.1 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0
	FOGH	2011 2011 3014 1014
	THOR	040400
	TOTAL PCPN 08S	66 40 47 47 40
	PCT FREQ PCPN AT OB TIME	23.0 16.1 29.8 23.7
	11	400444
	TYPE DTHER FRZN PCPN	400044
	PITATION TYPE S SNOW OTHER HA N FRZN PCPN	1-04400
	PRECIPI FRZG PCPN	000000
	DRZL	10.1 6.9 12.0 92
	RAIN	3.00 2.00 2.00 2.00 2.00 2.00
	RAIN	12.0 16.0 10.9 15.1 140
	HOUR (GMT)	00603 06609 12615 18621 707 PCT

									2										
PERIODI	(PRIMAF	MARY) R-ALL)	1942-1 1900-1	-1969				TABLE	W					AREA 0	0000 15N	ADAK 172-180W	30		
				PE	ERCENTAGE	E FREQUEN	ENCY 0	F WIND	DIRECTION	N BY S	PEED	AND BY	HOUR						
WND DIR	0-3	4-10 E	IND SPE	ED (KNDT	34-47	<b>6</b>	TOTAL	U	4		٥	0	6	•	HOUR (G)	GMT)	5	•	7
		)		1		)	088	FREQ	SPD		•	•	<b>.</b>	•			`		i
z	.2	2.1	•	1.0			106	6.1	5			8	7	۰	7	3		7	
NNE	-:	•	•	.7	•	•	5	3.3	-			3 11	•	7	7	1	0	*	
W .				ĸ.	• 5		83	4.8	ë		•	1 5	0	7		4 5	•	9	
EZ.		•	•	4.	-		9	2.5	<b>.</b>		•		7	~	~	1 8	9	4	<b>ھ</b>
m			• •	* "	<b>.</b>		740	2.7	•		•	m c		M -	m ·	•	4	7	٠. د.
7 7 1		•					0 0	7 60	•		•	7 C	•	<b>.</b>	۰ ،	· •	01	<b>.</b>	٠.
S CO		9 (1	0 4	- 60	0.4		9 6	7.0	22.4		7	- 4 - 0	~ ~	* r	7 0	0 - 0 -	~ ~	w 4	0.0
, v		•	•	0			8 6		1		•	• -	7 ¥	) Q	1 4	1 1	<b>.</b> .	0 L	• •
SSE		•	•	•			67	0			•	• •	<b>)</b> <		- (4	- 4	n 4		0 -
30	0	3.8	3.6	1.6	.2		~	10.0	4			5 10	o o	301	0	1 60	10	9.	1.9
ESE		•	•				148	8	•		6	9	~	4	0	0	2 9		
R		•	•	•	40		-	18.1	-			2 15	20	5 17	20	5 20	0 18	8	4.6
Z		•	•	•	•		•	0	8		8	6 21	12	7 8	Ξ	1 14	3 8	3	5.4
Z:		•	•	•			8	10.9	-			2	0	1 11	10	3	9	1	5.5
z •		•	•	•			0	6.0	00		•	2	~	ا ا	0	5 2	7	<b>1</b> 0	2.1
٠.	•	•	•	•	•			•			•	<b>&gt;</b> 6		0	•	<b>.</b>	0	0	•
01 08	102	Œ	(1)	17	~		1328	۲.۶	17.1		- 4	<b>3</b> 0 ~	0.0	00	80.0	6.4	200	<b>S</b>	5.4
-	, ,	28.2	37.0	20.5	7.2	1.2	1	100.0				0 100	100	100	100	0 100	200	2	10
	•		•			•						2	2		2	201	201		•
								į											
								ABLE	A										
WND DIR	9-0	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	<b>*1</b>	TOTAL OBS	PCT FREQ	MEAN SPD		00	60	90	HOUR C	GMT)	15	18	21		
Z	•		•	6	·.	163	4.6			•		13.6	•		-	•	•		
y Z	•	•	•	i.		2	2.0	'n		•	•	•	•			•			
n d	•	•	•	•		22	4.0			•	•	•	•	•	4	•	•		
ט ט	•	•	•	•		<b>Y</b>	• 0	٠,		•	٥,	'n	•	•	•	•	•		
, E	3.4	4	9	2.1		321	18.6	17.1		18.6	6.7	- 10		· «		10.8	0 6		
	•					-	27.7	-		5	6.7	3.2	S		4		6		
_	•	•		•		9	16.8	r-		5	0	4.9		•		-			
-	•	•	•	•	•	0	?	•		•	•	0	•	•		•	•		
FO	316	C	_	(4		32	1.9	0.7.		. 4	• 5	• (	. 4	• [	0,0		• •		
TOT PCT		35.1	29.9	13,3	3.4		100.0	•	•	100.001	00.00	00.00	00.00	00.00	0.00	100.0	100.00		

													TOTAL OBS	64	56	22	10		21	15	43	1 9	9 6	154	78	49	9	0	4	100.0	•
										>4/8)			NH <5/8 ANY HGT	1.3		, K		10		•	•	•	•	•		3.0	•	•		33.0	
M 0 M											Z	:	8000+ N	•	•	0	9	•		•	•	•		0	0	°	•	0	·	<b>-</b> -:	
ADAK 172-180W										ITS (FT,NH	IRECTION		6500 80 7999	0.	0	0 0	0	-:	0.	0	o c	•	2 -		•	•	•	•	٥,	, u	
AREA 0009 51-55N										HEIGHTS	GONIA		<b>2000</b>	•	0	0 0		•	•		•	• •	0	•		•	•	•		0 w	
AREA 51-		_	2	<b>a</b> . 4	r •	· œ				CEILING	/8 BY		3500	٦.	?	0 0	2	•	.1	•	÷.	. "	: :	4	•			o c	5.5	1.6	
	_	TOTAL OBS		46.4		7			1E 6	4	NH CS		2000	1.1	.7	m 4	000		4.	7	÷	•		2.4	6.	1.4	*	•	0 6	10.9	
	(GMT)	PCT FREQ	100.0	100	100.0		100.0		TABLE	FREQUENCY	CE OF		1999	2.6		1.1		4	.7	•	•	9	1.3	6.1	2.5	5.4	3.3	•	0 ;	27.9	
	BY HOUR	MEAN	~	16.9	9	~					DCCURRENCE		666	٥.	o: 1	. 4		:	5.	4.		2.7	1.6	2.2	6.	1.1	1.1	۰,	1.22	2.5	
4	SPEED 8	CALM	1.6	1.0	3.1	32	1.9			PERCENTAGE	AND DC		300	.3	:	* "	0	7	7.	0,	· -		4	1:1		4.	•	0	٠ د د	3.9 1	
TABLE	MIND S	(KNOTS)	1.2	1.0	1.3	21	1.2			PE			150	•	•	0,0	9	•	•	•	•			4	•	0	•	•	0.4	'n	
·	P	PEED (	8	0 0	5.5	125	7.2						0000	.1	•	• •		9	6.	· ·	÷ 4	. «	5		•	•	•	• •	0 4	3.4	
	FREQUENCY	WIND S 22-33	21.7	23.0	17.8	354	50.5																								
	PERCENTAGE	11-21	•	40.5		S.	•			(EIGHTHS)		EAN	LOUD	•	00	0.0	9.9	5.5	9.9	6.1	7.0	4.9	5.7	5.6	6.4	6.0	6.0	٠ • •	0.0		
	PERC	4-10	-	23.7	:	48	28.5						01AL CL	64	97	15	19	11	21	<u>.</u>	¢ 1	68	20	54	78	49	9 0	<b>o</b> 4	109	0	
		1-3	5.0	1.3	4.0	20	4.1		ic.	TOTAL CLOUD JADUNT	DIRECTION		_															<b>.</b>		6 100.0	
942-1969		HOUR	60200	5515	1238	TOT	T)		TABLE	CLOUD			3 8 08SC	2.0	٦-		1			<b>→</b> ✓		<b>'</b>	m	5	~	7 -	•	•	31	41.	
		•	88	12	18	_	•			TOTAL	EY WIND		5-7	3.6	•	• •	•	•		•			2.6	8	e.	3.6	•	, ,	259	34.1	
(PRIMARY)										EQ 0F			3-4	5		• •					14		2,1	•	•	•		9 0	107	14.1	
										PCT FRE			0-2	*	: -		-:	4.	<b>.</b>		4 (1)	6	6.	2.8	2.0	4.0	•	> 4	7.8	10.3	
PERIODI										۵			WND OIR	z	U U	E N	w	ESE	SE	1 V	NO.	I S	MOM	x	3	7 2		X - V		TOT PCT	

OCTOBER

ADAK 172-180W AREA 0009 51-55N TABLE 7 PERIOD: (PRIMARY) 1942-1969 (OVER-ALL) 1900-1969

CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

1

Ţ

- OR VSBY (NH) # DR >1 8 X * 0K CEILING (FEET)

442424 66990222 66990222 66990600 23.0 23.0 23.0 23.0 330.9 238 OR >6500 OR >5000 OR >3500 OR >1000 OR >1000 OR >150 OR >150

PCT FREQ NH <5/8: TOTAL NUMBER OF DBS: PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

9 7 0

813 3.0 31.5 12.1 10.9 7.6 7.4 9.1 8.6

PERIOD:

1/2<1

<1/1>

VSBY (NH)

7.1 6.3

8.7 24.8 33.5

2.5 43.1

100.0

TOTAL

**†**01

5<10

2<5

1<2

1.5

123

1.4.4

32

PCT

STATE OF THE PERSON OF THE PERSON OF

1/2<1

1<2

2<5

33.7

15 63 54 85 217

2.1 11.9 10.5 33.3

36 151 203 180 570

5<10

10+

13.8 20.4 10.6 47.1

236 348 181 806

100.0

1710

(

PERIODI

VSBY (NM) <1/2

1

0,000

00410 8000

2000

430 PAGE

									AND/OR	TOTAL OBS	180	202	201	181	764
ADAK 172-180W		TOTAL OBS	186	204	208	184	782		SBY (NM)	NH <5/8 AND 5+	30.6	29.3	33.3	31.5	238
			5.5	31.4	37.5	32.1	267 34.1 10	~	OF RANGES OF VSBY (FEET, NH >4/8), BY	1000+ AND5+	35.0	37.6	35.3	39.5	281 36.8
AREA 0009 51-55N	AND	. NH <5/8 ANY HGT	•					TABLE	FEET, N	<1000	34.4	33.2	31,3	29.3	245
	>4/8), AND	TOTAL	64.5	68.6	62.5	61.9	515 65.9		FREQ	<b>600</b> 4	8.3	4.8	7.0	7.2	59
	¥	8000	•	£.	•	•	44		CUMULATIVE PCT CEILING	<150 <50YD	3.3	0.4	3.5	2.2	25
	TS BY	6500 7999	.5	•	•	٦.	N m		MULATI	HOUR (GMT)	60300	60390	12615	18621	PCT
10	IG HEIGHTS NH <5/8 B	5000	1.1	·	1.0	1.1	00		2	ŦS	ŏ	ŏ	Ä	Ā	
TABLE	ENCY DF CEILING OCCURRENCE OF NH	3500 4999	1.6	5.9	in.	1.1	12								
	CY OF CURREN	3499	9.6	8	11.5	13.6	83			TOTAL OBS	180	202	201	181	764
	FREQUENCY OF OCCURRE	1000	25.8	30.4	28.4	26.6	218		BY HOUR	10+	0.09	54.0	56.7	59.7	439
	CENT	666	18.8	17.6	13.9	17.9	133		(NN)	5<10	26.7	31.2	25.4	26.5	210
	PER	300	4.3	3.6	3.4	4.3	3.8	TABLE 11	VSBY	2<5	6.8	10.4	14.4	8.3	81 10.6
		150	٠,	1.0	•	4	410	F	FREQUENCY VSBY				3.0	0	
69		000	3.2	3.9	3.8	2.2	3.3			1<2	3,3	2.5		3.9	3.1
1942-1969 1900-1969		HOUR (GMT)	60300	60390	12615	18621	TOT PCT		PERCENT	1/2<1	•	1.0	•	1.1	w.
		日記	8	90	12	18	<b>⊢ △</b>			<1/2	•	1.0	5.	•	2.
(PRIMARY) (OVER-ALL)										HOUR (GMT)	€0300	60390	12815	18621	T0T PCT
PERIODI															

AREA 0009 ADAK 51-55N 172-180W TABLE 14 PERCENT FREQUENCY OF WIND DIRECTION BY TEMP	SE S SW W NA VAR CALM	2.8 6.0 10.5 13.0 5.3 .0 .4 2.8 6.0 10.5 13.0 5.3 .0 1.0 2.4 2.1 5.9 10.7 8.0 .0 .6 1 .0 .0 .0 .0 .0 75 129 269 357 206 0 31 5.6 9.6 19.9 26.5 15.3 .0 2.3	TABLE 16 OF RELATIVE HUMIDITY BY HOUR	
PERCENT FREG	N NE	.1 .0 .0 4.5 3.0 1.5 3.9 3.1 1.9 1.0 .5 .1 135 96 51 10.0 7.2 3.8	PERCENT FREQUENCY OF	HDUR 0-29 30-59 6 (GMT) 00603 .0 2.2 06609 .0 1.6 12615 .0 .9 18621 .0 .6
PERIOD: (PRIMARY) 1942-1969 (OVER-ALL) 1900-1969 TABLE 13 PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP	TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 085 FREG	55/59 .0 .0 .1 .1 .2 .3 .0 .1 12 .9 50/54 .0 .0 .0 .3 1.6 1.9 2.7 2.5 122 9.0 45/49 .0 .0 .1 .6 3.2 10.2 15.3 18.0 641 47.5 40/44 .0 .0 .0 .1 3.3 8.7 12.5 14.1 522 38.7 35/39 .0 .0 .0 .0 .0 .0 .0 .0 .1 70TAL 0 0 4 15 120 299 427 484 1349 100.0 PCT .0 .3 1.1 8.9 22.7 31.7 35.9	TABLE 15 MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR	HOUR MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL OBS 00£03 57 55 52 46 40 36 33 46.2 498 06£09 57 52 50 45 40 37 34 45.1 473 12£15 55 51 49 44 38 37 36 44.1 306 18£21 57 52 50 44 39 36 34 44.4 453 TOT 57 54 50 45 39 36 33 45.0 1730

-			
•			

ADAK 172-180W	ITAT ION)	0,8	FOG	•2	•2	•5	.7	1.4	5.6	3,3	3.5	3.5	8.9	2.0	8.0	8.9	3.4	4.7	9.6	3.5	6.1	1.0	•2	478	5.5
AREA 0009 51-55N	PRECIP	38		•	•	•	•	.1	.2			٠. د.			.1 10							•			.5
AREA 51-	(WITHOUT	T0T	•	2	2	10	•	14	56	35	81	82	191	95	66	49	7.7	70	33	33	17	٥	2	910	100.0
	AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) PERATURE DIFFERENCE (DEG F)	57	90	0.	0.	0.	0	•	•	•	.2	•	0.	•	•	•	•	•	0.	•	0	•	•	7	•5
	CCURRENCE C DIFFERENCE	53	26	•		•	•	•	٦.	0	•	•	٦.	•	•	•	•	•	•	•	•	•	•	m	6.
	DCCURI	64	52	.2	7	.2	7	4.	.0	1.1	1.0	1.2	1.5	8	.2	•	.2	4.	•	.2	•		Ö		8.8
TABLE 17	THE	45	48	0	•		*	80	1.5	2.3	6.5	5.4	8.5	4.3	4.2	2.3	5.4	1.8	6	e.	*	•	•	382	45.0
TAE	<b>I</b>	41	4	0	•	•	•		.2	-:	1:1	5.4	7.1	5.5	5.6	4.0	3.7	3.3	1.6	1.5		ė.		340	
		37	40	•	•	•	•	•	0	•		•	4.	• 5	6.	œ	2.1	2.1	1.4	6.	5	ĸ,			10.0
	URE (DEG AIR-SEA	33	36	•	•	•	•	•	•	•	•	•	•	•	•	•	•	∹:	• 5	4.	• 5	7	•5		1.3
	TEMPERATURE VS AI	AIR-SEA	TMP DIF	11/13	9/10	1/8	9	5	4	٣	7	<b>-</b>	0	7	-5	e-	4	-5	9-	8-//-	-9/-10	-11/-13	-14/-16	TOTAL	PCT
	AIR																								
	E0 0F																								
1942-1969 1900-1969	PCT FREG OF AIR																								
1942-																									
PERIOD: (PRIMARY) (OVER-ALL)																									
PERIODI																									

(PRIMARY) (DVER-ALL) 1963-1969 :00 PERI

OC TOBER

TABLE 18

PCT FREG OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

TOTAL 0

AREA 0009 51-55N

ADAK 172-180W

TOTAL 0

SE 34-47

TOTAL

ш

1

404000000000000000

HGT 11112 1122 10111 10211 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311 10311

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																				GRAND	TOTAL	• "	72	65	4 6	52	•	* <b>*</b>	'n	m ·	<b>→</b> C	0	0	00	0	288	•
*		TOTAL	0		13		•	* -	0	~	<b>v</b> c	•	0	0 0	0	0		17.71		TOTAL	•	<b>9</b>	1	•	0 4	4	7	V C	0	0	0	0	0	00	0	4	14.2
ADAK 172-180W		48 +	o.	• •	•	•	o c	0	•	•	9 0	•	•	•	•	0	•	•		+8+		• •	•	0.	•	•	0.	•	0	•	•	•	0	0	•	0	•
IREA 0009 51 <b>-55</b> N	FT)	SW 34-47	3.0		•	0.	m c	•	•	•	9 0	•	•	•	2	0.	•	٠٠.	3	34-47	٠	0	3	•	2 1	3	o.	. 0	•	o c		•	•	• •	•	4	1.4
ARE 51	IGHTS (	22-33	o c	) m		•					, c		•					6.3		22-33	C		1.0	•	0.1	•	۴.	0	0	္င		•	0.0		0	~	6.3
	SEA HE	11-51	0,1		3.5	<b>.</b>	o c	•	•	0,0	9 9	0	•	9	0	•	0 1	8.7		11-21	Ç	. "	2.1	1.4	•		•	2	0	•	•	•	•	• •	0	14	6.4
	VERSUS	4-10	0,1	1.4	•	0	0,0		0	•	9 6	? ?	0.0	•	•		•	2.1		4-10	•	1.0		0.0	0 0	? ?	•		0	•	. 0	•		0 0			1.7
OCTOBER Table 18	DIRECTION	1-3	o c	•	•	0.	•	•	0.	o c		•	0,0	•	•	•	ું	o o		1-3	o,		•	0.0		?	o c	9	0	•	•••	0	o o	•	•	0	•
0C'	(KTS) AND	TOTAL	٦,	101	٥	m (	0 -	<b></b>	4	90	<b>o</b> c	0	0 0	<b>o</b> c	0	0	0 :			TOTAL	-	• ~	54	27	* '	7	21.0	4 W	2	N (	00	0	<b>.</b>	<b>o</b> c	0	2	•
	SPEED	+8+	o c		•	0.		•		•		0	•	•	0			4 <b>m</b> •		48+	c		0	•	• •	•	÷.	•	0	•	0	•	o o	• •	0	0	•
	OF WIND	34-47	o c		0	•	•	? ?	1.	•		•	•	•	•	0	٠,٠	.7		34-47	0	•	•	٠, c	• •	•	ů,		ů,	•	0	•	0	000	•		3.1
	T FRES	S 22-33	o c		1.0	۲.	9 "	, m	.3	o c	•	•	0,0	• •	•	•	• •	3.5	3	22-33	0	•	•	1.4	• •		0,0	, m	m c	•	•	0	o 0	0	•	7	10.1
69	2		0.1	2.1	•			•			0			•				3.8		11-21	0.	•		2.5			ů.	? ?	•	9 0	•				•	'n,	
1963-196		4-10	w c							o c			٠ <u>.</u>				•	1.4		4-10	•	•	1.7	•	. 0	•	0,0	0	٠.	• `	•	0,0	•	•	٥.	→	0.0
MARY) R-ALL)		1-3	0.0							ပ္ င								0		1-3	6.										0			. 0			÷.
OD: (PRI		HGT	₹.	3-4	. 1	-	10-1	12	3-1	17-19	3-2	6-3	3-4	9-6	1-7	1-6		PCT		HGT	₽		3-4	1 1	- 1		12 3-1	7-1	0-2	2-6	33-40	1-4	7-0	1-8	87+	٠ ر	ر

PAGE 435

	172-180W																							
AREA 0009	51-55N																							
			TOTAL	4	54	72	6.5	44	23	21	•	14	5	'n	m		0	0	0	0	0	0	289	100.0
		(FT)	48+	•	•	•	0	•	•	•	0	6	0	6	0	•	•	•	•	•	•	•	7	.7
	(L)	HE I GHT	14-46	•	•	•			1.0	.7	e.	5.4	.7	.7	1.0	e.	•	•	•	•	o	•	24	8.3
	TABLE 18 (CONT)	VS SEA H	22-33	°.	°.	3.6	5.9	6.2	5.5	4.8	2.1	1.7	1.0	۲.	•	o.	•	•	•	°.	°.	•	91	31.5
	TABLE	(Y.TS)	11-21	•	3.5	15.2	13.1	7.6	1.7	1.7	6.	u.	•	•	°.	•	•	•	•	•	0	°	126	43.6
		SPEED	4-10	1.0	4.2	5.0	3.1	.7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	43	14.9
		MIND	6-0	m.	.7	•	•	•	٥.	•	•	•	•	•	•	•	•	•	•	•	•	•	M	1.0
			нст	₽	1-2	3-4	2-6	7	6-8	10-11	12	13-16	17-19	20-22	23-25	26-92	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT
	1865-1969																							
(PRIMARY)	(OVER-ALL)																							
PERIODI																								

OCTOBER

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PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

TABLE 19

	MEAN			~		11				
	TOTAL	77	137	65	27	•	*	_	323	00.00
	+12		•							
	1-86	•	•	•	•	•	•	•	0	•
	1-70 7	•	•	ô	•	•	•	•	0	•
	9 09-	•	•	•	•	•	•	•	0	•
	-48 45	•	c.	•	•	•	•	•	0	•
CONOS	1-40 4]	•	•	•	•	•	•	•	0	•
THE TENTO SECONDS	16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	0.	٠.	•	•	•	•	•	-	۳.
1 LEN 1	1-25 26	0.	o.	o.	•	•	•	•	m	•
	)-22 23	•	٥.	ę.	m,	•	•	•	'n	1.5
	7-19 20	0	1.2	•	e.	•	•	•	n	1.5
	7	6.	2.5	•	•	6	•	o.	20	6.2
	12	0	1.9	1.9	0.	•	m	0	16	5.0
	9 10-11	1.5								
	8-9 1	2.5	4.0	3.1	3.4	•	0	0	40	15.2
	7 8-9	1.9								
•	9-6									
	3-4									
		2.2								
		•								
	PERIOD (SEC)	<b>9</b> [	0	K - 0 -	11-01	61-71	-14	1001	A 10.	5

		OTAL	521	983	253	t 4 :	4 0 4	11	113	40	80 C	9 0	•	80	0.0			TOTAL OBS	;	\$17 210	190	194	808	0.00
		-													10								•	_
X   00 10		MENA NO SIG	6.0	2.2	7.1.	701	W W	1.1	10.6	2.6	9			516	64.2			MENA NO SIG			75.3		2	7.40
ADA 1		HER PHENDHEN DUST BLWG DUST S BLWG SNGW W	000		:00		• •	0.0	•	•	•	•	•	~	:			THER PHENOMENA DUST NO BLWG DUST SIG BLWG SNOW WEA		•	•	<b>ب</b>	~•	7
REA 0005	NO	ATHER F E DUS E BLWG																ATHER F		. –.				
ARE	DIRECTION	HER WEATH SMOKE HAZE	•••	94.			r.	2.0		•	9.	• 0			2.2		HOUR	ER WEATH SMOKE HAZE		0 (0		2.1	_	7.7
	MIND D		700	00,	::	::	~ °	0.0	? -:	•	•	•	•		2.7		₽	FOG SY			1:	• (	2	7.7
	8 ¥	THOR	000	900	900	00	• -	0.0		0	ဝဲ့ ဇ	• •	9	-	~ <del>.</del>		OCCURRENCE	THDR	•	9	?	• ·	<b>.</b> → •	1.
		TOTAL PCPN 08S	400	, יט נ	 	91	11 6	24	56	19	27	0	4	246		E 2	WEATHER OC	TOTAL PCPN OBS	76	. <b>2</b> 0	15	•	247	
TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME	1.7		0 6 4 0 6 4 0 6 4	000	1.40	9.0	3.2	5.4	4.	0			30.6	TABLE	9	PCT FREQ PCPN AT OB TIME	- 4	<b>1</b>	23.7	•	4.06	•
	REQUENCY D	HAIL	v o	• • •						-	Ņ	20	•	_	1.9		FREQUENCY	HAIL	đ		5.6		15	T • 7
	FREQU	TYPE PRZN PCPN	000		000	00	•	00	?	•		0		0	•		ITAGE	CTYPE CTHER FRZN PCPN	c	•	0	•	00	•
	ENTAGE	SNOW	97.				- 10	44	•			•	.2	•	<b>10</b>		PERCENTAGE	NOITAT SNOW (	121	, 6	1-4	7.7	67	•
	PERC	RECIPI FRZG PCPN	000	000	000	00	•	00	0	•				0	•			FRZG PCPN	c	. 0	0	o c	<b>&gt;</b> C	?
		PI DRZ:	7.7.			• •		1.9	in (		7 -			•				PRI					٠,	•
-1969		SHER		•	0-	•	. 4	0.7	1:1					2				SHIN			4.2	• 0	47	•
1943		A I N	200		7.0		• •	1:1	•	٠, ١		•	0	Φ,	0.11			RAIN	0		10.0	•	11.5	•
(PRIMARY)		WND DIR	Z Z Z		ESE	SSE	SSW	E SE	3		1 Z Z Z	VAR	CALM	TOT 085	5			HOUR (CMT)	00000	60390	12615	12221	100	
PERIODS																								

			21		•	•	•		•	•	•	•	•	'n	13.1	-		•	•	•	• 0	10001												
			18		•	•			•	•		•	•		•-	• •		•			9.1			21						•		•		0
	K -180₩		15		3.6	•	3.6	•	7.1	•	•	•	-	•	91	• •	5	.0		o (	0 0	100.0		18	c	60	~	4	4. 10	U 4	• •	•	•	7
	ADA 172		(GMT)		•	•	•	•	•	•	•		•	•					•	•	1.1	90		en.	11	1	N.	€0	010	2 6	150	1		•
	A 0009		HDUR 09		•	•	•	•	•	•	•	•	•			'n	2	ë	5	•	7.4			- 61	- Eu	m	14		17.	7 8 6	9 0	2	•	
	ARE/		90		•	•	•	•	•	•	•	•	•	ů,			0	•	•	•	004	0.0 10		(GMT)					7.8	•		•	1.1	
		HOUR	60				•	•	٠.	•	-		0	٠,٠	٠.	2 -		.2 1	7	•		200		HOUR 09				6	12.2		0 00	•	3.9	
		AND BY	00				0		0	_			1 00	، - د		. •	•	3 2	0		. a			90	•				14.2		. 6	, •	9.	
		PEED		•										* .	- C	2	1				<b>→</b> (r			03	( )		•	•	1.06	5 0	•	•	0	
		N BY S																						00	•		•	•	0 0 0 0	. 0		•	1.3	,
		DIRECTION	E A N		•	•		•	•	•	•	•	•	•	10		•	•	•			•	4											
NUVEMBER	BLE 3	ND DI	ΰ.	•	٠,	٠ ٠	٠,	_		7	~	~ .	<b></b>	4 -	7 7	~	7	<b>~</b>	-	0 0	-		 ABLE 3	z o	æ	60	7	<b>&amp;</b>	0 00		<b>.</b> -	. 0	0	•
S S	TABL	IW HO	9 K		•	•	•	•	•	•	•	•	•	, 0	8		•	•				100	₹	A B S	16.	16.	18.	22.	. e	22.	18.		•	
		QUENCY	TOTA:	4	0 .	7	0	90	9	36	0 : 2	4 . 0 i	0 7	ם ת	102	<b>IU</b>	8	S.	67	0 ;	1254	}		PCT	•	è	-		4.0			•	1.8	
		E FREQ	<b>48</b>												2							2.3		TOTAL OBS		8	0	- (	130	1 4	-	•	7	
		ERCENTAGE	34-47	(	7.	-					•			•	1.4		•				-	6.6		41+		.2	٠,	æ (	7 60		• •	0		0 7
	o o	PER	(KNOT 2-33				•	•	•	•	•	•	•	•	1.7			•	•	•	~	26.1		NDTS) 8-40	1.4	•	•	•	0.7	• •	• •	•		7:0
	43-196 07-196		SPEED -21 2		•		•	•	•	•	•	•	•	•	2.8		•	•	•		0	2.5		EED (K	•	•		•	4.5	•	•	•		776
	1) 19		WIND 0 11		n c	٠.	<b>.</b>	9	ο.	*	ο.				. ~							1		ND SP 6 17					00					•
	IMARY) ER-ALL		4-1	•	•	₹.	-	•	•	•	•		÷.		1-1					•		23.		7-11					• •					7
	20 20		0-3	•	. ·	•	* (		m.	-		-	* 4	0 4	*		.2	4.	7.	•	• 60	6.6		9-0	•	1.4	•	•	9.0	•	•	•	1.8	0
	PERIOD!		WND DIR	2	2 2	U 1	Z	ENE	w i	ES C	SE	SSE	ח מ	E 3	1 N N	3	IZ	Z	3 C	۷ - > <	07 08	-		WND DIR	z	¥	ш.	, c	n S		Ŧ	VAR	CALM	

								F														Ä
						<b>~</b>		<5/8 / HGT	2.	1.3	4 1.	2		0.	0.0	.5	٠, ۱	. 6	6.	•	0,5	. 2
						>4/8)		I X	7			•		•	- "	(M)	ı- r	1 (*)				32
¥081						(FT.NH )	NO	8000+	0.0	. 0	0,0	•	00	0	0.0	•	•	•	0	•	•	o o
ADAK 172-180₩							DIRECTION	6662	•	•	0.0	0	ó ó	•	. 0	0	o c	•	*	0	٥̈́	, 4.
AREA 0009 51-55N						HEIGHTS	MIND	5000	0.0	•	0,9	•	0 7	•	•	• 5	7	•	•	0	0,4	1:1
AREA 51		۳	10884			CEILING	<5/8 BY	3500	0.0	0	0.0	0	• •	2.0	, 4	0	o. 4	•	•	0	ůr	1.3
		TOTAL	951 208 208 1254		9 31	P	Ī	2000	2.	.2	4 0	. 2	0 4		• ~	*	6.	2.5	1.5	0	4 6	11.7
	R (GHT	FREG	000000000000000000000000000000000000000		TABLE	FREQUENCY	NCE OF	1000	1.1	• •		1.7	1.1	1.7	2.8	3.0	3.5	2.4	.7	0	2.5	24.8
	BY HOUR	MEAN	18.7 17.1 23.4 18.6 19.0				OCCURRENCE	666		• •	6.0		1.3	•	1.1	1.5	2.4	*	1.1	•	0.0	15.3
•	SPEED	CALM	1.0 1.0 2.3 2.2 2.2			PERCENTAGE	O GNA	300	۲.	4	0 4	0	0 4	•	. •	4	4 (	2	•	0.0	0.4	8.8
TABLE	DNIM	(KNDTS	41.41.04			•		150 299	7.0	•	0,0	0	ç	2.	9 0	0	ć c	•	•	•	٥٠	4
	NCY DF	SPEED 34-47	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					000	4.0	•	2.5	•		01	):1	4	٠, ٠		.2	•	0 9	7.1
	FREQUENCY	WIND 22-33	23.9 22.6 35.1 26.4 327																			
	PERCENTAGE	1-21	99999999999999999999999999999999999999			THS)	MEAN	55 2	6.0	7	6.0	7	0 4	φ r	2	6.	7.	*	•	•	m c	•
	RCE	7	***			(EIGHTH	¥	CLOUD	W) K	0	<b>0</b>	-	-  -	•	<b>o</b> •0	10	n k	י יי	'n		~ <	•
	<u>a</u>	4-10	25.4 26.6 111.1 24.6 290				NO	TOTAL 085	33	18	17	14	25	56	41	20	2 2	26	31	0	527	100.0
		1-3	4818 900 600 1000		80	AMO	ECTI	0	2 4	, in	<b>*</b> ©	~ 1	n 0	9 0	, 6	2 .	* ^	. 7	3	۰ م	<b>*</b> C	
1943-1969 1907-1969		HOUR	000003 006009 12615 18621 707		TABLE	CLOUD AMOUNT	WIND DIRECTION	3 8 0	2 -		~ ~	(	n m	21	n m	W (	<i>o</i> 0	. ~	7			41
		-	00011	•		TOTAL	BY WIN	5-7	2.2					1.5	2.2	m -	. 4	5.5	2.6	•	18	34.5
(PRIMARY) (OVER-ALL)						4	ш	3-4	1.1	1 0	0 4	0.0	0	2,4		1.9		1.7	•	0,0	7.	14.5
						CT FREQ		0-5	9.4	, N	4 0		9 %	9.		۲.	7.7	1.3	.7	o c	0.4	10.1
PERIOD:						5		WND DIR	Z 2	Z W	ENE	S S	SSE	w i	E 35	HSH	3 Z	Z	ZZ	VAR	- 5	TOT PCT

TOTAL OBS

c	ď	
L	1	
9	9	
ě	i	
3	;	
Ċ		
2	2	

AREA 0009 ADAK 51-55N 172-180W	
TABLE 7	CUMULATIVE OCT FREG OF SIMULTANEDUS DCCURRENCE
PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1907-1969	

	2	410	2.8	14.5	39.1	54.7	50.5	6000	64.69	366
	- DR >50VD	1.5	2.8	14.5	39.1	54.7	60.5	60.09	67.9	366
1000	- OR >1/4	1.5	2.8	14.5	39.1	54.7	60.5	6009	67.2	362
	)	1.5	2.8	14.5	39.1	54.5	60.1	60.5	66.2	357
	VSBY (NM)	4.5	2.8	14.5	39.0	54.2	59.7	60.1	65.1	351
	• 22	1.5	2.8	14.5	37.8	52.3	57.3	57.7	61.6	332
	# 08 25	1.1	2.4	13.2	34.5	6.24	51.6	51.9	53.6	289
	* OK	.2	1.3	8.7	20.4	26.2	28.0	28.0	28.4	153
	EILING FEET)	>6500	>3500	>2000	>1000	>600	>300	>150	0	TOTAL
	2.5	* *	• 0 8	• 8	. OR	• 0	9	*	8	

839 TOTAL NUMBER OF OBS:

32.1 PCT FREQ NH <5/8:

TABLE 7A

	TOTAL 08S
EIGHTHS)	8 DBSCD
_	~
CLGUDS	•
¥0,	
	in
FREQ OF	•
PERCENTAGE	W
<b>P</b>	7

578
5.9
26.3
11.4
11.6
11.2
6.6
7.8
10.6
3.3
5.6

		PCT	1.4	1.7	8.0	6.4	24.5	34.4	100.0
		DTAL	11 7 18	14 7 21	49 16 65	54 52 106	85 198 283	37 278 315	100.001
		CALM TOTAL	000	•••	-0-		-44	7.78	1.0 1
<b>1</b>		VAR	•••	000	000	000	000	000	00
ADAK 172-180W	PRECIPITATION	N	•••	000	41.2	040	1.2	2.2	38
AREA 0009 51-55N	RECIP	ž	1.12	0.1.1	40,0	400	2.5	3.8	87 10.8
AREA 00 51-55N	9	N	101	-0-1	444	4 11 10	1.0	3.5 3.5 3.5	8.0
	URRENC Y	*	•••	4.4	444	101	1.7	5.3	114
	OR NON OCCURRENCE VISIBILITY	MSM	101	•••	ê. 1. ≈	10.00	2.6	4.6	9.5
	E OR N	NS	4.v	- () - ·	600	41.0	1.0 3.0 32	1:7	71
<b>6</b> 0	URRENC	SSW	0:11	v. ∴ ~	101		1.5	1.9 1.9	5.4
TABLE	VS DCC	s	000	2	1.00	640	1.6	1.6	5.7
	DIRECTION VS OCCURRENCE WITH VARYING VALUES OF	SSE	-0-	44.0	414	iúúo	.9	1:1	34
		SE	2	011	1.1	1.1	1:0	1.1.	5.4
	OF WIND	ESE	71.2	.01	N W	601	. 1.	0 10 4	3.3
	FREQ	ш	400	000	ë.	92.7	1	1.6	35
	PERCENT	ENE	000	1:0	04	V1 4 IV	21.8	1.1.	25 3.1
1969	۵.	Ä	-0-1		31.5	21.2	noo	1.2	3.2
1943-1969 1907-1969		NNE	0,00	1.001	200	000	00.	1.5	22
(PRIMARY) (OVER-ALL)		z	000		400	31.6		3.0	5.6
			PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP ND PCP TOTAL	PCP ND PCP TOTAL	TOTAL PCT
PERIODI		VSBY		1/2<1	142	3	5<10	10+	

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		PCT	1	**************************************	- 67.70 00.70	14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2.00 H W	15.68	100.0
		TOTAL	1 1 11 22	2 × × × × × × × × × × × × × × × × × × ×	24 27 40 100	20 47 46 59 182	31 83 123 180 417	19 127 197 152 495	1244
		CALM	• •	• •		<b>.</b>	r. 6	<b>"</b> 4	22
¥ 0 8		VAR	00000	00000	00000	00000	00000	0.2000	00
ADAK 172-1804		Z Z	00000	00000	0,000	04771	04877	1.00	5.4
AREA 0009 51-55N		Z	10174	00011	04440	1.6227	1.0	2.1 1.5 1.5 66	149
AREA 51-	ED	Z	00077	0.100-	0014		1.5	2.0	86.9
	VS WIND SPEED ISIBILITY	3	00000	400ww	22242	726-8	3.00		159
	N VS WI	MSM	00044	0001	1,00%	2,446	1.02	1.0	102
	DIRECTION ALUES OF VI	MS	00442	0.000	04974	~ w w w w	1.6 1.6 1.7 1.7	00004	134
LE 9	ND DIR	<b>HSS</b>	00011	40000	04000	2-1200	0.0.1	2.4.0	63 5.1
TABLE	FREG OF WIND TH VARYING VA	S	000.	0,001,0	12122	04444	4467.4	17.45.1	65
	IT FREG	SSE	00014	00000	01414	1001	0 2 4 5 6	15.00	3.2
	PERCEN	SE	01102	00077	0.16.40	1:12	124.09	22.05.7	5.5
		ESE	211.00	2.1.0	1,14,7,	01446	0 7 7 7 0	0,77.0	36
		w	0.017.6	•••••	000,00	10.52	2:4661	1.1	59
		ENE	00000	01001	40004	00441	0,4,4,0	0 46 48	30
1943-1969 1907-1969		Ä	000	000:-	10174	0,0014	25.05.0	26	4.5
		NNE	00000	20110	9.5.100	40458	00004	0.004.0	3.2
(PRIMARY) (OVER-ALL)		Z	00000	00117	0.1.1.6	040%	2.00.01	1.00	5.4
ER100: (PR		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
PERI		VSBY (NM)	<1/2	1/2<1	145	2<5	5<10	10	

										AND/DR	TOTAL	126	144	149	120	539
ADAK 172-180W		TOTAL OBS	130	150	155	125	560 100.0			VSBY (NH)	NH <5/8 AND 5+	27.8	34.0	35.6	28.3	31.7
		NH <5/8 T	30.8	36.7	38.1	32.0	194 34.6 1		12	OF RANGES OF VSBY (FEET, NH >4/8), BY	1000+ AND5+	34.9	31.3	34.9	37.5	186
AREA 0009 51-55N	AND								TABLE	OF RANG	<1000 <b>&lt;5</b>	37.3	34.7	29.5	34.2	182 33,8
	>4/8)	TOTAL	69.2	63.3	61.9	68.0	366				<000 <1	14.3	15.3	12.1	13.3	74
	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	8000+	•	•	•	•	°°.			CUMULATIVE PCT FREQ CEILING HGT	<150 <50YD	4.7	8.3	5.4	6.7	38
	HTS (F	6500	0.	•	1.3	•	24			MULATI	HDUR (GMT)	60300	60390	12615	18621	T0T PCT
10	HE 16	5000	1.5	.7	1.9	•	1.1			n o	īS	ŏ	ŏ	7	7	_
TABLE 10	EILING	3500	1.5	•	1.9	1.6	1.3									
	CY OF C	2000	11.5	12.0	12.9	8	63 11.3				TOTAL OBS	126	144	149	120	539 100.0
	REQUEN	1000	22.3	22.0	21.9	29.6	133			BY HOUR	10+	54.8	53.5	53.0	47.5	282 52.3
	CENT F	666	20.0	14.7	10.3	16.0	84 15.0			(NA)	5<10	28.6	6.62	33.6	8.04	178 33.0
	PER	300	4.6	5.3	5.8	4.9	31		TABLE 11	FREQUENCY VSBY	2<5	8.7	8.3	8.1	7.5	44
		150	•	.7	•	•	N 4.	i	T	UENCY	2	4	2	7	m	40
Ø Ø		0000	7.7	8.0	5.5	4.9	38				142	2.4	4.2	4.7	3,3	3.7
1943-1969 1907-1969		HDUR (GMT)	60300	60390	12615	18621	T07 PCT			PERCENT	1/2<1	1.6	2.1	.7	•	1.1
		₽°	00	90	12	18	<b>⊢ a</b> .				<1/1>	0.4	2.1	•	8.	1.1
(PRIMARY) (OVER-ALL)											HOUR (CMT)	€0300	60390	12615	18621	T07
PERIODI																

AREA 0009 ADAK 51-55N 172-180W

TABLE 14

TABLE 13

PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1907-1969 1

	CALM	04440000			17AL 185 286 289 164 1033
		0000000			<b>5</b> 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
EMP	VAR	00000000		HOUR	E 00000
BY TEMP	Z	10.000.00		<b>&amp;</b>	
TION	3	11484117		HUMIDITY	90-100 47.6 49.9 46.1
DIREC	3	N			80-89 24.3 26.6 294 294
WIND DIRECTION	S	4.00 1.00 1.00 1.00 1.00 4.00	.E 16	RELATIVE	60
9	S	2.2 2.2 10.0 10.0 10.0 9.0	TABLE		70-79 114.7 117.3 115.6 115.6
FREQUENCY	SE	0.001047		CY OF	00 00 00 00 00 00 00 00 00 00 00 00 00
	ш	0,00000		FREQUENCY	
PERCENT		4 N F			20-59 20-89 3-00 20-8
PE	2			PERCENT	00000
	Z			•	HDUR (GMT) 00503 06509 12515 18521
130	FRED	11.44 10.00 0.00 0.00			
TOTAL	085	1128 9482 0668 1029 1029		HOUR	101AL 1885 1850 1850 1855 1255
TEMP	30-39 40-49 50-59 60-69 70-79 80-89 90-100	20 4 20 4 20 2 4 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		F) BY	A M M M M M M M M M M M M M M M M M M M
[Y BY	68-0	400 N B C C C C C C C C C C C C C C C C C C		(DEG	N 00 00 00 00 00 00 00 00 00 00 00 00 00
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VE HU	-07 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8	
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OF R	80-28	0 0 0 0 0 0 0	TABLE 15	PERCENTILES	80 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
FREQUENCY OF RELATIVE HUMIDITY BY TEMP	1 65-1	0.1000011	11	AND PE	
FREQU	39 40	0000000			Φ
PERCENT				EXTRE	0 04444 X 00000
PER	0-29	0000000		HEANS, EXTREMES	X 100000
	TEMP F	50/54 45/44 40/44 305/44 1018 1018 1018 1018		Ī	HDUR (GHT) 00603 06609 12615 18621

NOVEMBER

	TABLE
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1943-1969	
(PRIMARY)	(OVER-ALL
PERIODI	

AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)	
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TEMPERATURE	VS AIR
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AREA 0009 ADAK 51-55N 172-180W

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<b>≖</b> Ö		0	6	6	*	٦.	e.	•		<b>.</b>	•	•	•	:	7.	•	•	•	21	3.1
101	6	7	16	18	22	53	44	90	20	82	62	69	9	43	61	53	11	m	684	100.0
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4 4	•1	٠,	1.6	1.5	1.6	1.8	1.3	3.1	e.		٦.	•	6.	•	e.	•	•	•	82	12.0
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7	•		9.	1.5	2.5	4.7	6.3	4.8	5.8	3.1	3.5	9.		.7	•	•	•	239	34.9
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32	•	•	•	•	•	•	•	•	•	·	•	•	•	e.	•	4.	4.	6.	16	2.3
28	•	•	•	•	•	•	•	•	•	•	•	ó	•	•	•		•	•	-	•
AIR-SEA TMP DIF	1/8	•	5	4	m	7	-	0	7	-5	<b>~</b>	4-	<u>۱</u> ۲-	9-	-1/-8	-9/-10	-11/-13	-14/-16	TOTAL	PCT

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1	60				2					N55-1	_	M 080
	D d	T FREG	OF WIN	SPEED	(KTS) A	ND DIRECTION	VERSUS	SEA HE	IGHTS (	(FT)		
		•	•							NE.		
01-	11-21	22-33	34-47	+ 0 +	TOTAL	1-3	4-10	11-21	22-33	34-47	48+	TOTAL
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																								GRAND		15	53	<b>m</b> (	9 6	<b>7</b> -	6	91	۰,	D <b>4</b>	•	0	0	0 (	<b>o</b> c	<b>o</b> c	201	100.0
	¥.		1074	10	M	ın o	<b>7</b>	10	7	~	in c	<b>-</b>	٠,	~	0	00	<b>o</b> c	0	0	m	17.4			TOTAL	-		10	<b>:</b>	• <	٠,	0	0	0 0	>0	0	0	0	0 0	<b>&gt;</b> c	• •	36	17.9
:	172-180W		787	0	•	•	•	0	0	•	, c		•	5.	0	•	•	0	•	7	1.0			+8+	0	•	•	o c	•	9 0	•	၀ (	•	•	•	•	•	0 0		9 9	0	°.
	AKEA 0009 51-55N	(FT)	SW 82-67	•	0	•	•	. "	•	•	0.0		•	•	•	•	20	?	•		2.0			34-47	•	•	•	•	•	20	·	٠. د	•	•		•	•	•	•	0	0	•
•	AKE 51	HEIGHTS (	22-23	,	0	יי,	0.0	1.5	0	0	'n.	•		•	•	0,0		0	•	6	4.5			22-33	•	°.	0,			1	•	•	•	•	•	0	•			0	•	4.0
		SEA	11-21	•		5.2	ů.	3.0	1.0	5.	'n.	•	•	•	•	•	? ?	•	•	16	0.0			11-21	•	1.0	4.0	U. L.			•	•	•	20	•	•	0.	•	9	9	23	11.4
		VERSUS	01-4		1.0	'n.	2 1	0	0	0.	o c	•	•	•	0	ė.		•	•	4	2.0			4-10	.5	1.0	ۍ <u>.</u>	ů		•	•	•	•	•	•	•	•	o c		0	10	2.5
NOVEMBER	TABLE 18	D DIRECTION			0.	ė.	9	•	•	•	o o	•		J.	0	•	•	•	•	0	•			1-3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•	••
NON	ΤA	(KTS) AND	TOTAL		.+	~ .	<b>7</b> 4	*	m	→ .	<b>→</b> <	<b>-</b>	0	0	o (	<b>o</b> c	0	0		7	11.4			TOTAL	~	7		; <	۰ د	1 v	8	n (	<b>-</b>	• 2	ı m	0	0	o c	<b>,</b> c	0	47	23.4
		SPEED	487	•	0	•	•	•	•	•	ů.		•	•	•	0 0	•	•	0.	7	1.0			<b>48</b> +	•	•	o c	•	?	•	•	•	•	? 0	'n	•	•	•		0	-	٠.
		OF WIND	27-76	•	•	•	•	? ?	.5	0	•	0	0	•	•	•		0	•	1	s.			34-47	•	•	•	•			•	ů.	•	3 15	1.0	•	0.0	9		•	2	2.5
		T FREG	5	•	0		• •	1.5	•		• •									-	5.5	:		22-33	•	•	•	1.0	•		•	0.0	2 15	. 5	•	•	0.0	•	0	0	19	9.5
	69	2	11-21	•	i,	ů.		15	•	o.	•	•	•	•			?	•	•		2.5		(	11-21	•	•	•	1.5	•	•	1.0	•	•		•	•	•	•	9	•	-	7.5
	1963-1969		4-10	•	1.5	•		0	•	oʻ.		0	•	•							1.0		•	4-10	•	0.1	•	. 0		•	0,0			0.	•	•	0,0		•	0.		3.5
2	OVER-ALL)		113		0,0	•		•	•	o.	•	•	•	o.		٠,			•	1	Ç			1-3	•			•							•						0	0.
1007			194	2	1-2	314	, r	8-9	10-11	12	7 7	20-22	3-2	6-3	3 - 4	9-6	1-7	1-8	œ !	TOTAL				HGT	₹	1-2	* V	~	8-8	10-11	12	7-1	0-2	3-2	26-32	3-4	1-4	1-7	1-8	87+	TOTAL	PCT

009 ADAK N 172-180W																							
AREA 0009 51 <b>-</b> 55N																							
		TOTAL	2	15	30	38	30	28	18	6	16	0	9	4	4	0	0	0	ى	0	0	203	100.0
	(FT)	+8+	•	•	•	0	•	•	•	•	1.0	0	1.0	6.	1.0	•	•	•	0	•	•	•	3.0
(TN	SEA HEIGHT	34-47												.5									
TABLE 18 (CONT)	VS SEA	22-33	•	•	3.9	5.9	8.4	9.4	4.9	2.5	4.4	•		1.5	•	•	•	o,	0.	°.	٠,	82	4.04
TABLE	(KTS)	11-21	•	2.5	7.9	11.3	5.9	3.9	1.5	2.0	• 5	°	•	•	•	•	•	•	·	•	•	72	35.5
	SPEED	4-10	1.5	6.4	2.5	1.0	٠.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	21	10.3
	ONIM	6-0	1.0	•	٠.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	m	1.5
		НСТ	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-92	33-40	41-48	09-64	61-70	71-86	87+	TOTAL	PCT
1963-1969																							
PERIOD: (PRIMARY) (OVER-ALL) 1963-1969																							
PERIODI																							

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PERCENT FREQUENCY OF WAVE !	
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TABLE 19

	HEAN	HG.	7	11	12	10	16	0	•	
	TOTAL	45	52	55	30	19	15	17	230	100.0
	87+	•	•	•	•	•	•	•	0	•
	71-86					•				
	01-10	•	•	•	•	•	•	•	0	•
	09-61	•	•	•	•	•	•	•	0	•
Ç,	11-48	•	•	•	•	•	•	•	0	•
/E HEIGHT (FT) VS WAVE PERIOD (SECONDS)	13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	•	•	•	•	•	•	•	0	•
8100 (S	26-32	•	•	•	1.7	ပ္	4.	•	5	2.2
AVE PEI	23-25	•	•	5.6	•	•	٥.	•	<b>6</b> 0	3.5
N SA	20-22	•	6	•	•	6.	4.	•	7	3.0
1T (FT	17-19	•	6.	1.7	*.	•	•	•	7	3.0
E HEIG	13-16	•	٥.	3.5	2.2	4.	3.5	•	54	10.4
MA.	12	6.								
UENCY	10-11	2.2	1.7	2.2	2.2	2.2	•	•	54	10.4
FREQ	8-9 10-11	4.	3.5	3.9	3.9	1.3	•	•	30	13.0
PERCENT FREQUENCY OF	-	2.2	7.0	4.3	<b>.</b>	6.	•	•	35	15.2
	2-6	3.9	4.3	3.5	•	•	•	0	28	12.2
	3-4	5.7	5.6	•	•	•	•	•	19	8.9
	1-5	2.6	•	•	•	•	•	•	•	5.6
	₽	4.	•	•	•	•	•	7.4	81	9.
	PERIOD		7-9	6-8	10-11	12-13	×13	INDET	TOTAL	PCT

ADAK 172-180w	
AREA 0009 ADAK 51-55N 172-180H	20010000
TABLE 1	DERCENTAGE EREQUENCY DE LEATUER OCCURRENCE DE LINE PROFESSION
1942-1969 1900-1969	
PERIOD! (PRIMARY) 1942-1969 (OVER-ALL) 1900-1969	

TOTAL DBS	80	100.0
TENA ND SIG	47-100407-0047-7-0002-00-00-00-00-00-00-00-00-00-00-00-0	62.5
THER PHENDMENA DUST ND BLWG DUST SI BLWG SNOW WE	000000000000000000	•
OTHER WEAT FOG SMOKE WO HAZE PCPN	7000000000000000000	ċ
H D D S S S S S S S S S S S S S S S S S	000044-00-00-00-00	2.5
THDR	00000000000000000	•
TOTAL PCPN OBS	21 995 111 111 120 112 113 120 120 120 120 120 120 120 120 120 120	
PCT FREQ PCPN AT OB TIME	00000447577015400	34.3
HAIL	0001400000110111000	1:1
TYPE OTHER FRZN PCPN	•••••••	•
SNOW	111	13.7
PRECIPI FRZG PCPN	••••••••	•
DRZL	2004477798814101000	0
RAIN	-000004-10-1000000	7
RAIN	2007224444444444	•
WND DIR	C V N N N N N N N N N N N N N N N N N N	

	TOTAL OBS	224 208 160 194 194 100 0
	HENA ND SIG	52.2 57.7 78.3 64.4 503
	DTHER WEATHER PHENOMENA FDG SMOKE DUST NO WD HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	000000
DUR	ER WEAT Smoke Haze	400040
8 ¥	FOCTH PCPN	2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CURRENCE	THDR	0,00044
ATHER O	TOTAL PCPN OBS	99 77 36 65 772
FREQUENCY OF WEATHER OCCURRENCE BY HOUR	PCT FREG PCPN AT JB TIME	2000 2000 3000 3000 4000
FREQUE	HAIL	2.088.00.11.0
PERCENTAGE	ITATION TYPE SNOW OTHER FRZN PCPN	000000
PERCE	TATION SNOW	18.8 14.4 6.7 13.9 111 13.8
	PRECIPIT FRZG PCPN	000000
	DRZL	8.0 7.0 7.0 7.0
	SHWR	22.5
	RAIN	13.4 11.1 4.4 13.4 10.8
	HOUR (GMT)	00609 06609 12615 18621 707 PCT

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TABLE 2

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	AREA 0009
DECEMBER	TABLE 3
	IMARY) 1942-1969 ER-ALL) 1900-1969
	IMARY) ER-ALL)

		21	10.4	10.8	5.4	6.5	3.8	11.9	1.6	2.7	3.5	12.4	5.9	7.6	3.8	7.0	2.2	•	2.2	185	100.0
		18	7.4	60	5.4	6.1	5.0	5.4	5.4	4.7	4.1	4.1	6.9	12.8	6.1	7.4	6.1	•	2.7	148	
ADAK 172-180W		15	2.7		5.4	8.1	5.4	•	10.8	10.8	2.7	2.7	10.8	16.2	8	•	5.4	•	•	37	100.0
		(GMT) 12	6.4	6.5	3.0	9.5	5.4	3.6	5.6	4.1	3.0	8.3	8.3	14.8	8.3	5.3	6.5	•	1.8	169	
REA 0009		HOUR 09	P. 4	10.6	3.8	12.0	4.3	6.7	3.4	4.3	5.8	6.7	5.3	11.1	4.3	6.7	3.4	•	•	208	
AREA 51-	2	90	4.2	0	2.6	8.6	2.8	9.1	4.2	9.8	2.8	5.6	7.0	11.2	4.9	7.0	4.2	•	1.4	143	100.0
	BY HOUR	60	B. B.	9	•	6.7	6.7	•	•	•	6.7	10.0	3.3	10.0	16.7	6.7	3.3	•	•	30	100.0
	SPEED AND	00	7.1	80	5.0	6.6	5.3	7.4	9.3	6.5	4.2	8.3	8.3	10.7	3.0	2.4	3.9	•	2.1	337	100.0
	ION BY SP																				
e	DIRECTI	MEAN	14.4	17.3	16.1	18.3	18.6	19.3	21.3	16.7	19.5	17.9	19.9	19.5	18.7	15.1	16.2	•	•	17.8	
TABLE	CNIM	PCT	4 6	8.7	4.6	0.6	3.9	7.0	3.0	2.4	4.0	7.7	7.1	11.3	5.1	5.3	4.2	•	1.6		100.0
	JENCY OF	TUTAL	81	109	58	113	64	88	40	89	20	46	60	142	49	19	53	0	30	1257	-
	FREQU	<b>8</b>	00	•	•	•	•	•	<b>⁻</b> :	.2	•	٦.		4.	.2	•	c.	•		14	1:1
	PERCENTAGE	S) 34-47	4.4	*	e.	1.2	٠,	1.0	9.	ø.	9.	1.0	ů.	1.4	•5	4.	.2	•		119	9.5
69	PER	22-33	7.	2.7	٥.	1.2	٠.	1.4	1.0	9.	1.4	1.8	5.4	2.5	1.4	9.	∞.			274	21.8
1942-1969 1900-1969		WIND SPEED (KNDTS) 11-21 22-33 34	2.4	2.6	1.4		1.9			1.8	6.	1.9	2.1	3.2	1.9	2.5	1.6	•		427	34.0
(PRIMARY) (OVER-ALL)		4-10	2.0	2.5	1.9	2.0	10	1.7	•	1.8	€.	2.5		3.1	1.3	1.6	1.5	•		335	26.7
		0-3	1.0	4.	7	'n.	ů.	4	-:	•	*		.2	•	~	•5	-:	•	1.6	80	7.0
PERIODI		WND DIR	ZZ	¥	ENE	w	ESE	SE	SSE	S	NSS.	S	ESE.	*	323	Z	3 2 2	VAR	CALM	TOT 085	TOT PCT

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	21	13.0	10.3	13.5	5.9	18.4	11.4	9.5	•	2.2	185	100.0
	18	12.8	8.1	10.8	8.8	10.8	18.9	13.5	•	2.7	148	100.0
	\$1	4.6	13.5	10.8	13.5	13.5	24.3	5.4	•	•	37	100.0
	(GMT)	80 Q										
	HDUR 09	11.5	16.3	10.1	10.1	12.0	15.4	10.1	0.	•	208	100.0
	8	7.7										
	03	26.7	13.3	•	6.7	13.3	26.7	10.0	•	•	30	100.0
	00	11.3	14.8	10.7	10.7	16.6	13.6	6.2	•	2.1	337	100.0
34												
TABLE	MEAN	16.3	18.4	20.0	17.9	18.9	19.3	15.6	•	•	17.8	
	PCT	11.2	12.9	10.5	4.6	14.8	16.4	9.5	o.	1.6		100.0
	TOTAL 085	141	162	137	118	186	506	120	0	20	1257	
	<b>+1+</b>	2.1	.2	•	۳,	.7	1.0	•2	•		<b>4</b> 3	3.4
	(KNDTS) 28-40	2.2	1.9	5.2	2.0	2.5	2.8	6.	•		211	16.8
	SPEED 17-27	2.8	4.8	3.0	1.8	4.8	4.8	5.4	•		351	27.9
	WIND 7-16	B 0	4.1	3.3	3.6	4.2	2.1	4.6	•		432	34.4
	9-0	2.5	1.8	1.5	8	2.5	2.1	1.4	•	9.1	220	17.5
	WND DIR	ZZ	ш	SE	S	N	*	Z	VAR	CALM	TOT 085	TOT PCT

PAGE 450

														TOTAL	<b>08</b> S	52	21	58	22	m m	0 6	22	30	54	39	37	67	9 6	77	Sc	, 5	471	100.0
											>4/8)			NH <5/8	ANY HGT	1.1	1.5	1.1	•	1.0	<b>.</b>		80	1.9	3.2	2.4	<b>8</b>	6.5			1.5	154	32.7
ADAK 172-180W											(FT.NH >		ION	8000+		0.	•	0	•	•	•		•	•	•	•	•	• c	•		C	0	•
													DIRECTION	6500	1999	•	•	•	•	•		•	•	•	0	•	•	• •	•	•	0	0	•
A 0009											G HEIG		NI NO	5000	6649	•	•	0	•	•		0	0	•	0	•	7.	•		0	0	7	4
AREA 51-		S S	24	351	90	33	57				CEILING HEIGHTS		<5/8 BY	3500	6664	.2	•	•	7.	•	•	. 2	•	•	0.	7.	•	•		. 0	0	15	3.2
	2	TOTAL Q OBS					-	•		9 3187.	9	i	¥	2000	3499	4	4.	4.	*	1.1		2	.2	1.3	60	1.5	1.3	* •		0	0	64	10.4
	R (GMT)	PCT		100.0				100.0		7	FREQUENCY		NCE OF	1000	1999	1.5	1:1	2.8	1.9	1.3	•	1,3	2.1	4.	1.3		2•1	2•1	,		4		23.8
	BY HOUR	MEAN		17.4									OCCURRENCE	900	666	1.1	8	4.	Ξ.	:		1	1.9	4.	1.9	*	2.5			0	. 2	162	16.8
4	SPEED	CALM	1.9	٠.	1.5	2.4	20	1.6			ERCENTAGE		AND O	300	599	9.	• 5	4.	2.0	•		4	9.	80	4.	•	7.	• •		•	0	56	5.5
TABLE	GNIM	(KNOTS)	•	1.4	1.9	•	*	1:1			٩			150	588	٥.	0	•	•	•	•	0	•	0	0	•	•	7.0	•	9	0		• 5
	QUENCY OF	SPEED 34-47	10.6	11.1	7.6	6.3	119	9.5						000	149	•	4.	4.	2.	• •	1 0	•	9.	•2	9.	4	*	* 0		0	0	33	7.0
	FREQUE	WIND 22-33	~	19.4	8	φ,	7	21.8																									
	PERCENTAGE	11-21	4	30.2	6	3	47	•			(EIGHTHS)		MEAN	1000	OVER	•	•	•	•	•	•		•	•		•	•	, r.		0		5.9	
	PER	4-10	5	29.6	8	0	÷,	26.7						DTAL C	S	26	21	53	77	n «	23	22	30	54	39	10	- C	27	23	0	10	471	0.00
66		1-3	4.1	7.7	1.0	7.2	80	4.0		10	AMDUNT		WIND DIRECTION	-	SCD			~ `	,,		4	.2	0	•	m (	, w		- 10		0		2	9
942-1969 900-1959		HOUR	030	6039	261	862	101	104		TABLE	CLGUD		ND DI	20	088	0	8		- u	1 -	1	6 3	5	1	2 7	7	, r		5	c	4	9 2	5 42
			0	0	-	-					TOTAL		B	<b>1</b> 0		3.	•	. 2	٦.	•				7		4 4	r 0	, ~		ı		13	59
PRIMARY)											EQ DF			3-4		9.	•	•	•	•	,	.2	4.	•					1.7	•	•	65	13.8
-											CT FRE			0-5		•	Φ.	4.0	•	• •	0	•	4.		•	•	•	1:1	•	0	1.5	9	13.8
PERIODI											α.			WND DIR		Z	NN.	ш u		7 7	SE	SSE	S	200	# T	E 0	3 3	2 2	XX	VAR	J	TOT 085	OT PC

AREA 0009 ADAK 51-55N 172-180W (

	TARIE 7
1942-1969	VER-AIL 1 1900-1969
PERIOD: (PRIMARY)	( DYFR-ALL)
PERIODI	

		۔	_	•			•	_	•	•	•	۸.	•
		•	2	•	•	3.6	13.6	37.	54.5	909	909	67.	316
NCE C		. OR	>50YD	•	4.	3.6	13.8	37.7	54.5	60.0	60.2	67.0	315
S DCCURRE		• OK	>1/4	0.	4.	3.6	13.6	37.4	54.3	59.8	60.0	4,99	315
JLTANEDUS DO	=	• 8	>1/2	0.	4.	3.2	13.2	37.0	53.8	59.4	29.6	0.99	310
NI SIN	VSBY (NP	9	7	0.	4.	3.2	13.2	37.0	53.8	59.1	59.4	0.49	301
EILING HEIGHT		80	>2	0.	4.	3.0	13.0	36.4	52.1	57.0	57.2	4.09	284
OF CEILING		• 08	\$\$	0.	4.	3.0	12.3	33.4	47.0	50.0	50.0	51.3	142
5		* 0R	>10	•	.2	1.7	6.8	20.6	27.9	29.8	29.8	30.0	141
		CEILING	(FEET)	OR >6500	OR >5000	DR >3500	OR >2000	OR >1000	OR >600	OR >300	OR >150	OR > 0	TOTAL
				*		•				•	•		

TABLE 7A Percentage freq of Low Clouds (Eighths)

32.8

PCT FREQ NH <5/8:

470

TOTAL NUMBER OF DES:

0 1 2 3 4 5 6 7 8 GBSCD GBS 5.5 2.4 8.3 7.1 8.1 7.3 9.9 11.9 37.5 6.9 505

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J
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0

		PCT	1.1	•		2.6	3.6	6.5	1.0	7.5	9.6	6.0	15.8	11.3	24.4		3.3	35.9	100.0	
		TOTAL	6	'n	71	21	29 B	52	₩,	9	78	48	126	6	195		26	258	98.	•
		CALM	•	•	0	•	••	•	•	0	•	7.	-	•	-	•	•	1.1	11	•
MOR	-	VAR	•	•	0	•	••	0.	•	0	•	•	0	•	•	•	0.	• •	00	•
ADAK 172-130W	ITATION	X	•	0	0	.1	. 4	•	•	<b>~</b>		•	-	60	9.	1		23	0.5	•
0000 5N	PRECIPITATION	Z	.1	•		.1	.1	.1	•	<b>-</b>	*	5	7	*	1.0	:	7.	22	5.5	) )
AREA 0009 51-55N	님	X	•	•	0	•	••	6	•	7	•		<b>N</b>	ē.	2.0	?	•	20	5.9	
	URRENC	*	.1	•	8	7:		•	•	0	5.	1.0	12	•	3.6	2	•	38	90	1
	OR NON OCCURRENCE: VISIBILITY	MSM		•	-	•	-; -	•		•	9.	9.	01	1.0	2.1	}	4	23	66	•
	E OR N	NS		•	<b>-</b>	€.	٥'n	*	7	•	•	9.	11	ě.	1.9	;	•	14	40	,
<b>8</b> 0	URRENC	ASS	.1	0	-	•	• •	7	•	-	.3	4.	'n	•	2.0	}	0.		31	
TABLE	VS DCC	S	•	m.	7	.1	• -	• 5	-: '	^	'n	•	•	ŗ.	1.4	}		141	46.8	
	RECTION VS OCCURRENCE WITH VARYING VALUES OF	SSE	.1	•	<b>→</b>	4		٥.	•	•	7	7	7	6.	2.3	;	0.0		37	) )
	D DIRE	SE	•	•	•	£.	•	1.1	0	•	1.4	ď.	13	1.3	1.4	i	-:	. 00	55	•
	OF WIN	ESE	•	7	<b>→</b>	6.	. w	4.	0	7	9.	4.	80	•	12	!	•	• •	33	•
	FREG	ш	4.	7	•	6	u 4	6.	*	n	1.6	4.	15	1.1	1.6	}	4.	24	4.6	
	PERCENT FREG OF WIND DI	ENE	•	0,0	•	0	••	9.	0,4	n	٠.	e.	•		12	l 1	0.	112	35	
1969	α.	Ä	•	•	5	e,		9.	•	0	1.1	'n	13	1.5	3.6		4.0	18	57	
1942-1969 1900-1969		NNE	•	0,0	<b>o</b>	7	-	4	o r	9	4.	•	M	4	• •			18	46.4	
(PRIMARY) (OVER-ALL)		Z	•	o.	•		• ~	5	- •	n	÷	•	4	1.0	1.3		*.	20	84.0	
			•	NO PCP	I AL	۵.	NO PCP TOTAL	4	NO PCP	I DI AL	۵	NO PCP	TAL	•	NO PCP TOTAL		PCP	TOTAL	TOTAL PCT	
PER1001		VSBY		<1/2 NO	=		1/2<1 NO TO		142 NO	_		2<5 NO	7		5410 ND 154				100	

1/2<1

VSBY (NM) <1/2

142

2<5

411

100

TOTAL

10168

14 31 23 38 106

4.5.4.5. 8.4.6.8

19 67 54 82 222

1.4 8.3 112.1 34.8

103 103 162 151 434

32 121 151 159 106 418

20

3.00

2<10

10+

									AND/OR	TOTAL OBS	116	112	:29	113	470
ADAK 172-180W		TOTAL OBS	118	113	132	115	478 100.0		VSBY (NM)	NH <5/8	24.1	37.5	30.2	33.6	31.3
		NH <5/8 TI	23.7	40.7	33.3	35.7	159 33.3 1	12	DF RANGES DF VSBY (FEET,NH >4/8),BY	1000+ AND5+	38.8	24.1	41.1	28.3	33.4
AREA 0009 51-55N	4/8), AND	TOTAL NA	76.3	59.3	7.99	64.3	319	TABLE	F 7.	<pre>&lt;600 &lt;1000 &lt;1 &lt;5</pre>	16.4 37.1	13.4 38.4	13.2 28.7	12.4 38.1	65 166 13.8 35.3
	(FEET,NH >4/8),AND / KOUR	80C0+	•	•	•	•	00		CUMULATIVE PCT FREQ	<150 <	6.9	7.1	7.8	7.1	34 7.2 1
	S .	9 7999	0. 8.	0. 6.	0. 0.	0. 0.	00.		CUMULATI	HOUR (GNT)	60300	60390	12615	18621	T01
TABLE 10	ILING HEIGH OF NH <5/8	3500 5000 4999 6499	2.5	3.5	. 5.4	1.7	15 3.1								
۰	ENCY OF CEILING OCCURRENCE OF NH	2000 3499 4	10.2	8.0	9.1	13.9	49			TOTAL 08S	116	112	129	113	470
	FREQU	1999	3 28.0	16.8	. 30.3	17.4	112 5 23.4		BY HOUR	10+	60.3	48.2	56.6	53.1	257
	PERCENT	300 600 599 999	9.3 17.8	3.5 17.7	4.5 11.4	4.3 20.0	26 79 5.4 16.5	11	3Y (NM)	5<10	21.6	30.4	27.9	31.9	131 27.9
	_	150 30 299 59	6 0.	.9	•	•	1 2.	TABLE	FREQUENCY VSBY	2<5	12.1	11.6	7.8	4.4	10.2
69		000	7.6	8.0	8.9	7.0	35			1<2	2,6	5.4	3.9	2.7	3.6
1942-1969 1900-1969		HOUR (GMT)	60300	60390	12615	18621	T0T PCT		PERCENT	1/2<1	2.6	1.8	2.3	6.	1.9
(PRIMARY) (OVER-ALL)		10	0	0	-	-				<1/2	6.	7.2	1.6	1.8	1.7
										HOUR (GMT)	60300	60390	12615	18621	T07
PERIOD															

			CALM	7	ů.	. 4	4	•	19	2.0			TOTAL	279	127	262	941
		BY TEMP	VAR		•		•	•	0	•		HOUR	MEAN	2	0 <b>6</b> 0	32.0	82
			ž	.1			3.2						90-100	42.7	35.6	6.9	<b>60</b>
ADAK 172-180W		IRECTI	*	•		9 ~				13.1		RELATIVE HUMIDITY BY	60-89 90	27.2			
ADAK 172-	E 14	IND D	SH	•	•		1.2	•	137	14.6	TABLE 16	TIVE					
AREA 0009 51-55N	TABLE 14	/ OF W	S	0.	• •	3		•	83	6.8	TABL		70-79	18.3	22.	18.	18
AREA 51-5		FREQUENCY OF WIND DIRECTION	SE	•	ů.	4	•	•	109	11.6		ENCY OF	69-09	9.0	10.2	10.3	16
			ш	•	• 0	8		•	129	13.8		FREQU	30-59	2.9	1.6	2.3	18
		PERCENT	N.	0		7.2	3.6		135	14.4		PERCENT FREQUENCY OF	0-29	•	20	•	0
			z	0.		6.2	4.2	ċ	118	12.6		•	HOUR	60300	12615	18621	101
		1	FREG	.2	9.6	50.7	16.8	1.3	100.0								
		107.4	085	~ !	37	475	157	12	937			HGJR	TOTAL	365	206	335	255
		BY TEMP	90-100	•	0.0	24.1	6.5	6.	406	43.3		F) BY H	MEAN TO	38.2			-
		ITY BY	80-89		7.	12.1	5.4	•	245	25.9		TEMP (DEG )	MIN	28 30			
		HUMIDITY		0.	7.7	7.7	3.6	<b>.</b>	179	19.1		OF TEMP	13	50	27	88	53
	TABLE 13	RELATIVE	40-49 50-59 60-69 70-79	7,		5.3	1.2	0	16	4.4	15	ILES O	58	32	32	31	35
1942-1969 1900-1969	17		90-59	0,0		1.4	•	•	15	1.6	TABLE 1	PERCENTILES	20%	38	37	37	37
		FREQUENCY OF	40-49	•	: -		°	•	•	ű	-	AND	856	44	64	44	<b>4</b>
(PRIMARY) (OVER-ALL)			30-39	0,0		•	•	•	0	°.		MEANS, EXTREMES	<b>x</b> 66	4 4 8 60	4.5	4	44
		PERCENT	0-29	0,0		0	•	•	0	°.		ANSJEX	MAX	200	47	47	20
PER1001			TEMP F	50/54	40/44	35/39	30/34	25/29	TOTAL	PCT		¥	HOUR (GMT)	00603	12615	18621	101

DECEMBER

AREA 0009	51-55N
	TABLE 17
	-ALL) 1900-1969
PERIOD: (PRIMARY)	(OVER-

ADAK 172-180W

<b>=</b>																	
THOUT PRECIPITATION	30	2.5	7.9	1.8	0.4	4 8 6 4	4.8	11.9	15.5	7.9	9.9	10.7	3.5	1.7	۴.	642	6.76
r PREC	¥0.	0.0	00	0.0		<b>.</b> .	'n	7.4	0	0	•	•	•	•	•	14	2.1
E C	101	r	4	12	28	30	58	40	102	52	43	20	23	11	7	656	100.0
OCCURRENCE OF FOG E DIFFERENCE (DEG F	49 52	2.0	•	0	•	00	?	•	, 0	•	•	0	•	•	•	7	•2
RENCE	4 4	0.5	0 %	<b>M M</b>	~	0 0	0	4	•	•	ú	0	•	•	•	16	2.4
OCCUR DIFF	14	0.0	0 7	6.0	9.0	2.3	1.5	1.1	9.		•	•	•	•	•	106	16.2
THE	37	0.0	200		6	2.0	6.9	8 · 4	0.0	5.6	2.3	3.4	.2	•	•	298	15.4
AND EMPER	36		00					2.1									28.7
DEG F SEA T	29 32	0.0	000	000	•	• •	.2	0.0	1.2	• 5	3.	1.4	1.5			43	
AIR-	25 28	000	00	00	•	00	0	0.0	•	•	•	•	• 5	6	.2	4	•
TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG VS AIR-SEA TEMPERATURE DIFFERENCE (DEG	AIR-SEA TMP DIF	9/10	ื้อเก	<b>ታ</b> በ	7	<b>~</b> 0	7	7 4	1 4	-5	9	-1/-8	-9/-10	-11/-13	-14/-16	TOTAL	PCT
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	ADAK 172-18			+8+	•	•	•	•	0	0.0	o o	• ·	•	9	0	0	•	0	0	0	•	0	0	•		48+	•	0	•	•	•	÷ .						•	0	•		•	•	0.0	<b>o</b> (	•
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		SEA HE		11-21	•	•	5.0	•		•	•	•	•	•	•	•	•	•	•	0	•	•	13	9.8		11-21	•	.7	2.0		•	• •		0	7	C	0	0	•	•	•	•	•	01		4.0
		VERSUS		4-10	.7	•	2.0	. 7	0.	•	•	•	•		•	•	•	•	0	0	3.	•	•	3.9		07-4	•	1.3	•	0.0	o.	•	•		0	0	0	0	•	•	•	•	•	2.		5.6
BER	E 18	DIRECTION		1-3	•	•	c,	ا د	۲.	•	•	•	•		•	•	•	•	•		•	•	~	.7		1-3	•	•	•	•	•	•		0	0	2	•	ပ္	•	•	•	•	•	ė.	•	0.
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		OF WIND		34-47	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	0	•		34-47	•	•	•	o r			0	0					•	•		•		•		F1
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ADAK 172-180			48+		o c		•	•				.7					•		•					<b>+8</b> +	•	•	•	0	•	o (	•		•	•	•	•	•	•	•	o.		•	<b>&gt;</b> c	•
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	OF WIND						1,3	•					•						•			2.0		34-47	•	•	•	•		•	•		0.			•		0			• •			•
	T FREQ (	s	22-33	0 0	2 1	•			0	.7				•								3,3		22-33	•	•	1.3		•	1.3	•	0	0.	. 7	0	•	0	•			9 0			•
69	P				•					0		•	•				•					3.9		11-21	•		1.3	•	•	9.4	•	•		•				•	•				2,3	•
1963-1969			4-10	•			•															5.9		4-10	•	•	2.0	•	•	•	•	0	•	o,	•	•	•	•	•	• 0	0		2.6	•
MARY)			1-3				•						0				•					•		1-3	0.		•					•		0.							0		, 0	•
100: (PRI (3VE			HGT	→ (	3-1		~	8-8		12	3-1	7-1	20-22	3-5	0	3-4	4-0	1-7	1-8	87+	-	5		HGT	_		3-4		_			.7	7-1	•	2-6	0 0	1 1	1	7 - 0	1	448	٠,	PCT	•

ADAK 172-180W																							
AREA 0009 51-55N																							
		TOTAL	'n	22	34	28	27	15	S	*	7	4	7	0	0	0	0	3	0	0	0	153	100.0
	(FT)	+8+	•	•	•	•	۲.	•		0	o	.7	•	•	•	•	•	•	•	•	•	m	2.0
Ę		24-47	•	•	•	0.	5.6	.7	.7	.7	3.9	1.3	0	•	•	•	•	•	•	?	•	15	8.6
TABLE 18 (CONT)	VS SEA HEIGHT	22-33	0.	•	D. D.	2.0	5.9	7.2	1.3	2.0	.7	•	1.3	0	o,	•	•	°.	°.	°.	°.	36	23.5
TABLE	(KTS)	11-21	•	5.9	9.5	13.1	7.2	2.0		•	•	.7	•	•	•	•	•	•	•	°.	•	59	58.6
	SPEED	4-10	5.6	8.5	9.8	3.3		•	•	0.	•	•	•	•	•	•	•	o.	•	•	•	38	24.8
	WIND	6-0	.7	•	•	•	۲.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	7	1.3
		HGT	₽	1-2	3-4	9-10	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT
1963-1969																							
PERIOD: (PRIMARY) (OVER-ALL) 1963-1969																							
PERIODI																		-					

TABLE 19

	A P		_		ቭ	_	_			
	TOTAL	33	52	36	20	€	٥	18	173	100.0
	+14	•	•	•	•	•	•	•	0	•
	71-86	•	0	•	0.	•	•	•	0	•
	1-70	•	•	•	•	ó	•	•	0	•
	09-6	•	•	•	•	•	•	•	0	•
_	1-48 4	•	•	•	•	•	•	•	0	•
PERIOD (SECONDS)	12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	•	•	•	•	•	•	•	0	•
100 (5	6-32 3	•	•	•	0	•	•	•	0	•
n PER	3-25 2	•	•	•	•	•	•	•	0	•
HEIGHT (FT) VS N. 3	0-22 2	•	•	1.7	1.2	•	•	•	7	4.0
T (FT)	7-19 2	•	•	1.7	0	9.	0	•	•	3.5
HE I CH	3-16 1	•	9	1.2	1.7	1.7	1.2	•	11	4.9
F WAVE	12 1	•	•	•	1.7	•	•	•	•	3.5
ENCY 0	0-11	9.	1.7	2.3	2,3	9.	•	1.7	17	9.6
FREQU	8-9 10-11	1.2	3.5	5.9	9.	۰.	0.	•	15	8.7
PERCENT FREQUENCY OF	7	1.2	6.9	6.9	1.2	o.	1.7	•	31	17.9
	9-9	0.4	8.5	5.9	1.7	•	•	•	32	18.5
		4.9								
	1-2	5.5	1.2	•	•	•	•	1.7	14	8.1
	₽	•	•	•	•	•	•	6.9	13	7.5
	PERIOD (SEC)	ş	6-7	8-6	10-11	12-13	<b>&gt;13</b>	INDET	TOTAL	PCT

APE 00011207

		TOTAL OBS	1000 0470 1000 1000 1000 1000 1000 1000		TOTAL OBS	4680 4214 3993 4170 17057 100.0
ADAK 172-180W		LENA NO SIG WEA	01 600000000000000000000000000000000000		FNA ND SIG	60.5 60.5 69.9 57.0 10548
60	z	OTHER WEATHER PHENOMENA FOG SMOKE DUST NO WO HAZE BLWG DUST SI PCPN BLWG SNOW WE			OTHER WEATHER PHENOMENA OG SMOKE DUST NO O HAZE BLWG DUST SI CPN BLWG SNOW WE	**
AREA 00( 51-55N	DIRECTION	SMOKE SMOKE HAZE	9410000 # 550000000 # 50 # 50 # 50 # 50 #	JUR.	SMOKE SMOKE HAZE	2.0 1.8 1.5 259 1.5
	WIND D	P. P	122 123 124 125 126 126 126 126 126 126 126 126 126 126	E BY HOUR	POS N	14.4 10.2 15.2 2318 13.6
	₽	THDR	* • • • • • • * * * * * * • • • • • • •	OCCURRENCE	THOR	* " " * 2 "
	OCCURRENCE	TOTAL PCPN OBS	200 200 200 200 200 200 200 200 200 200	2 THER	TOTAL PCPN OBS	1078 976 761 1095 3910
TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	, #P	PCT FREG PCPN AT OB TIME	23.0 23.2 19.1 26.3
		HAIL	********	FREQUENCY	HAIL	440444
	FREQUENCY	TYPE OTHER FRZN PCPN	+00000+0++00+00000	PERCENTAGE	OTHER FRZN PCPN	* 0 - * * * *
	ENTAGE	SNOW (	\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	PERCE	TATION SNOW (	0 11 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
	PERC	RECIPI FRZG PCPN	+ 000000000000 + 00m +		RECIPI FRZG PCPN	# 0 # 0 m #
		DRZL	14444446964899999999999		PI	6.7 6.8 9.5 1312 7.7
34-1970 99-1970		SHWR	27*0*1.22.1.1.*.***.1.1.		RAIN	1.5
16		RAIN	100 00 00 00 00 00 00 00 00 00 00 00 00		RAIN	9.4 9.8 7.9 11.1 1631 9.6
(PRIMARY) (OVER-ALL)		WND DIR	SSS EEEE SSS SSE EEE SSS SSS SS SS SS SS		HOUR (GMT)	006009 06609 12615 18621 707 PCT
PER100:						

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No.			-	<b>~</b> 1	o ~	. ~	Ç.	ء .وي	<u>ما 4</u>	m r		. 61	<b>1</b> C	CI ·	m -	٠, ٨	. ^		•	_												
FIGURE (FRIMARY) 1994-1970  FERCENTAGE FREQUENCY OF MIND DIRECTION BY SPEED AND BY HOUR (GMT)  FIGURE 2.2 2.3 34-47 48+ TOTAL FCT NEW DIRECTION BY SPEED AND BY HOUR (GMT)  FIGURE 2.2 2.3 34-47 48+ TOTAL FCT NEW DIRECTION BY SPEED AND BY HOUR (GMT)  FIGURE 2.2 2.3 34-47 48+ TOTAL FCT NEW DIRECTION BY SPEED AND BY HOUR (GMT)  FIGURE 2.2 2.3 34-47 48+ TOTAL FCT NEW DIRECTION BY SPEED AND BY HOUR (GMT)  FIGURE 3.2 2.3 34-47 48+ TOTAL FCT NEW DIRECTION BY SPEED AND BY HOUR (GMT)  FIGURE 3.2 2.3 34-47 48+ TOTAL FCT NEW DIRECTION BY SPEED AND BY HOUR (GMT)  FIGURE 3.2 2.3 34-47 48+ TOTAL FCT NEW DIRECTION BY SPEED AND BY HOUR (GMT)  FIGURE 3.2 2.3 34-47 48+ TOTAL FCT NEW DIRECTION BY SPEED AND BY HOUR (GMT)  FIGURE 3.2 34-47 52-11 14 2.2 4-11 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-12 14-1			2	•		•	•	•	•			-	7.	•	•	•			291	00												
FILTER (FRIMANY) 1934-1970  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENTAGE FREQUENCY DF WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENT DIRECTION BY SPEED WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENT DIRECTION BY SPEED WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENT DIRECTION BY SPEED WIND DIRECTION BY SPEED AND BY HOLE (CHT)  FREACENT DIRECTION BY SPEED WIND DIRECTION BY				•		•	•	•	•	• •				•		•		•	$\overline{}$	•												
FRICOL   COVER-ALL   1894-1970   PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR   FILE   FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR   FILE   F	_													7					W	07				•	0	٠.	-:	8	4 -	•	4	. 0
FILTON (PARIARY) 1994-1970  PERCENTAGE FREQUENCY OF MIND DIRECTION BY SPEED AND BY HOUR (CMT) 172-1970  PERCENTAGE FREQUENCY OF MIND DIRECTION BY SPEED AND BY HOUR (CMT) 172-1971 11-21 22-39 3-4-7 48+ TOTAL BY 1865 11-4 50 00 03 00 09 122 12-4 12-4 12-4 12-4 12-4 12-4 12-4	00			•		•	•	•	•	•	• •		6	0	•	•	• •	•	40	·			_									<b>-</b>
Figure   Frequency   Frequency of wind dispersion   Frequenc	Z Z						_			_								_						0	-	· 0		5	80 0	•	25	0.0
STATE   1934-1970   STATE			G	•				•	•	• 1			8	5	•	•			53	·												~
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	PERCENTAGE	11-21	38.4 42.1 42.1 9294 39.0		(EIGHTHS)	2	CLOUD	6.9	7.9	7.4	7.4	7.4	7.2	6.7	6.5	9.9	9•9	0.4	7.0	
	PE	4-10	30.9 31.9 32.9 7589 31.0			Z	OTAL (	762	547 438	785 459	592	048	697	965	570	797	588	0 247	276	2
00		1-3	8.00 1919 1919 1919	ıc	CLUUD AMBUNT	RECTIC	. C	50.			•	• •		9		•	•	• •	. 4	•
34-1970 199-1970		HOUFR	00603 06639 12615 18621 707 PCT	TABLE	ר כרחח	WIND DIRECTION	-7 8 08S	1.6.	o •		21	· In	<b></b> α			6	<b></b>	<b>5</b> 4	70 78	,
19					TOTAL	BY W	, 4-	6.5	7 7	7	2 1	-	w r.	1	6.0	9	40	o ~	5 29	5
(PRIMARY) (OVER-ALL)					FREQ OF		-2 3	m N 1	m ~		<b>.</b>	4 ~2	~ 4		-	•	m c	o	. 12	
					PCT		o «												2 F	١
PERIOD							MND DI	ZZ	ESE	ESE	SE	် လ	NSS NSS	HSH	3 Z 3	Z	ANN N	CALM	TOT 08	

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DCCURRENCE
CUMULATIVE PCT FREG OF SIMULTANEDUS
n H
FRED
PCT
CUMULATIVE

TABLE 7

PERIOD: (PRIMARY) 1934-1970 (GVER-ALL) 1899-1970

AREA 0009 ADAK 51-55N 172-180W

DCCURRENCE	(エア)
DCCC S	/SBY (
ANEDO	T CAH V4/8) AND VSBY
SIMULI	<b>&gt;4/8</b>
9	HN)
FRE	HE I CH
VE PC	LING
MULAT	OF CEILING HEIGHT
3	

* E &	6.	1.5	4.8	19.0	46.7	61.8	66.7	61.9	81.2	9985
- DR	0.	1.5	4.8	19.0	46.7	61.8	9.99	67.9	80.9	9945
- OR	6.	1.5	4.7	18.9	46.5	61.6	4.99	67.6	77.7	9548
- OR >1/2	6.	1.5	4.7	18.8	46.3	61.3	05.8	6.99	74.3	9132
* GR	6.	1.5	4.7	18.7	45.9	60.5	64.8	65.9	71.2	8751
• 22	6.	1.5	4.6	18.2	44.3	58.0	61.7	62.5	66.3	8147
■ 0R <b>&gt;</b> 5	80	1.4	4.3	16.6	39.5	50.5	53,3	53.8	55.8	6889
* DR > 10	4	.7	5.6	6.6	23.0	28.4	29.4	29.6	30.0	3688
EILING FEET)	>6500	>5000	>3500	>2000	>1000	>600	>300	>150	0	TOTAL
3.5	90	# 0R	= 0R	. O.	. OR	* OR	. OR	. O.	= 0R	

TOTAL NUMBER OF OBS: 12296 PCT FREQ NH <5/8:

18.8

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

TOTAL OBS	14077
OBSCD	44.8 10.5 14077
80	44.8
7	9.3 11.4
Ð	9.3
*	5.2
4	4.5
М	4.6
8	8 . 4
-4	2.5
0	2.2

		PCT	4.00	42.1	499	6.1 7.5 13.6	7.8	9.4 6.4 6.4	100.0
		TOTAL	216 1008 1224	349 437 786	585 630 1215	1023 1263 2286	1311 4104 5415	389 5478 5857	16793
		CALM	* 0.0	10 **	*19	.1 32	4.6		343
MOR	-	VAR	000	000	000	000	000	000	00
ADAK 172-180W	PRECIPITATION	X Z Z	31	311	2:1	6.51	242	2.0	4.5
AREA 0009 51-55N	RECIP	Z	* 67	30	35.2	.4	1.6 350	2.¢ 502	1075
AREA 51-5	O.	Z	3.5 *	211	177	7.65	1.5	2.3	8 6. 8 6. 8 6.
	VS OCCURRENCE OR NON OCCURRENCE RYING VALUES OF VISIBILITY	*	1.00	59	.5	1.0	3.6	837	2059
	DR NON DCCU VISIBILITY	MSM	14.5	7.82	101	169	2.4	45.5	1375 8.2
	SE OR OF VIS	N	.1 .6 129	7.62	130	.5	2.0	33.5	1380
т 8	URREN ALUES	NSS	 .6 111	5.62		135	1.3	1.2 226	2.5
TABLE	RECTION VS OCCURRENC WITH VARYING VALUES	S	.2 .9 172	24.6	 4. 123	.6 .7 212	1.8	2.0	1378
	CT ION	SSE	4.6	5.2	.2	.4 .4 134	1.2	1.1	4.8
	10	SE	14.6	.1.57	 108	 4. 187	3.0 3.3 3.3	1.5	1030
	OF WIND	ESE	56	4.1	• 5 • 3	.3	188	1.2	4.0
	r FREQ	ш	.3	22.4	.3 .2 91	196	1.3	2.0	4.9
	PERCENT	ENE	33	37.	.2.61	m m m		1.1 207	3.7
1934-1970 1899-1970	_	N E		31.1	62.2	.3	1.0	1.6	4.8
1934- 1899-		NNE	3.5 *	1. * 81	3.1	7.55	188 188	1.2	3.4
(PRIMARY) (OVER-ALL)		z	.10	444	55	6.4.11	.5 1.5 337	2.6	6.2
			PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCT
PERIODI		VSBY		1/2<1 N	1<2 N	20 20 20 20 20 20 20 20 20 20 20 20 20 2	5<10 N	+01	

TABLE 9

AREA 0009 ADAK 51-55N 1.2-180W

1934-1970	0000
(PRIMARY)	

PERIODI

	PCT	25.22.0	3112	6112.	16446	20 M B W W W W W W W W W W W W W W W W W W	12.9 15.2 37.0	100.0
	TOTAL	171 479 513 184 1347	9 7 7 8 8 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	132 450 550 438 1570	256 868 1046 962 3132	531 2201 3118 1938 7788	684 3026 3560 1391 8661	23408
	CALM	e. 4	.1	. 4	£. 47	.7	210	2.4
	VAR	00000	00000	00000	00000	00000	00000	00
	Z Z	* * 4	W.	0 * - * %	* 5	4 4 4 4 70	180 CO	1047
	Ž	* * 4	***	* W	* 5.5 163	56.7	1.52	1674
ED	3 Z 3	* + 60	****	* 6	11.52	₩ ₩ ₩ ₩	1.1	1207
SPE	3	104	* 0	* 26 - 4 5	320	1.2 1.6 1.1 952	1.6 2.1 1.0 1152	2752 11.8
VS WIND	N S N	* - 0 * 5	* ~ ~ 60	.2 .2 122		11	1.2	1887
S OF V	M S	# 22.1.4 4	* 6	16.52		1.111.3	68 22 22 22 24 24 24 24 24 24 24 24 24 24	2118
DIR	SSW	*555	* 6	105	H 79.9.2 #	# W.L. W.S	34.7.5	1229
DF WIND ARYING VA	Ŋ	* 64 - 6	# 1218	# # 55 5 # #	1 212 4 8	1.1	522	1781
T FREG	SSE	*3	01119	*	 100001	92	75.52	1022
PERCEN.	SE	* 0	* 9	13.00	* 4 4 4 6		4	1401
-	ESE	* +	**4	*2	15	* 4 4 4 4 4 4	262	836 3.6
	ш	*	* 7 7 7 7	10.5		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	19.00.1	1465
	E N M	* * %	**	*2	* 2222	268	12.5.2	836 3.6
	Z W	* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *	******	* 6		43.6	49 4 49	1309
	N. N.	* * -	0 * * * 0	* - + 10	**************************************	410 60	33.06	3.6
	z	* * 4	**-+*	*::::	16.52		11.1	1431
	SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
	VSBY (NR)	<1/2	1/2<1	142	5<2	5<10	10+	

									AND/OR	TOTAL OBS	3262	3083	5888	2952	12296 100.0
ADAK 172-180%		TOTAL OBS	3404	3182	3059	3034	12679 100.0		(NM) HOUR	NH <5/8	18.4	18.4	18.4	15.9	2186
		•	2.1 34	21.1 3	٥.	8.8 30	2634 126 20.8 100	2	DF RANGES OF VSBY (FEET,NH >4/8),BY	1000+ AND5+	41.3	39.5	37.7	39.3	4856 39.5
AREA 0009 51-55N	AND	NH <5/8 ANY HGT	2		20	~		TABLE 13	F RANG	<1000 <5	40.3	42.1	43.9	6.44	52 <b>5</b> 4 42.7
4	>4/8), AND	TOTAL	77.9	78.9	79.1	81.2	10045	-		<000 <	19.9	19.9	22.2	21.7	2568
	(FEET, NH	₩000₩	4			.5	5.		CUMULATIVE PCT FREQ	<150 <50YD	12.4	12.5	15.3	13.4	1647
		7999	.7	6.		.5	₹.		UMULATI	HOUR (GMT)	60300	60390	12615	18621	707 PCT
E 10	ENCY OF CEILING HEIGHTS OCCURRENCE OF NH <5/8 B	5000	8	.3	.7	5.	72.		ฉี	_					
TABLE	CEILI	3500	3.4	3.5	2.6	3.1	401			4	2	6	6	2.	90
	NCY DE	2000	14.3	13.5	13.7	14.2	1764		œ	TOTAL	3262	3083	5888	2952	12296
	FREQUENCY	1999	26.5	1.72	27.2	3 26.5	3419		BY HOUR	10+	48.1	43.9	40.1	45.0	5365 43.6
	PERCENT	666 6	5 13.8	5 15.3	4 13.6	2 16.3	9 1867	11	(NM)	5<10	27.0	30.6	31.7	30.6	3680
	ā	9 599	2 4.6	9.4	4.4	4 5.2	5 599	TABLE	CY VSB)	2<5	8.6	11.1	12.6	11.1	1371
		0 150 9 299	1 1.2	0 1.4		.1 1.4	1 1.2		FREQUENCY VSBY	142	4.7	6.4	5,3	5.5	624 5.1
1934-1970 1899-1970		000	3 12.1	9 12.0	5 1.5.2	1 13	1656 13.1		PERCENT F	1/2<1	3.3	5.5	3.2	3.4	390
		HOUR (GMT)	0000	60390	12615	1882	T01		4	<1/2	7.1	9.9	7.0	7.4	866 7.0
(PRIMARY) (OVER-ALL)										HOUR (GMT)	£0300	60490	12515	18621	PCT
PERIOD: (										T	0	()			

0-29 30-39

AREA 0009 ADAK 51-55N 172-180W

CALH 00000000000 BY TEMP PERCENT FREQUENCY OF WIND LIRECTION SE TOTAL OBS 90-100 OF RELATIVE HUMIDITY BY TEMP 40-49 50-59 60-69 70-79 80-89 TABLE 13 PERCENT FREQUENCY

00 + 6 m w 4 m w 6 m w 4 4 m w 6 m w 7 m w 6 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w 7 m w

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665/66 60/66 60/66 60/66 60/66 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26 10/26

TABLE 15

OF TEMP (DEG F) BY 44.6 43.4 42.1 43.6 PERCENTILES 50% AND **MEANS, EXTREMES** 

HDUR (GMT) (00603 06609 12615 18621

TDTAL DBS 6848 6260 4605 6148 23861

HOUR

TABLE 16

TOTAL 085 4787 4595 2596 4541 16519 REIALLYE HUMIDITY BY HOUR 60 60 60 60 55.0 55.0 55.0 85.9 80-89 32.0 30.0 28.7 28.2 4938 PERCENT FREQUENCY OF 69-09 30-59 00000 HBUR (GMT) 000003 06009 112015 18021

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180W	(NO																											
ADAK 172-1	PITATION)	NOT DO	7		1	6.	1.7	1:1	2.8	4.0	3.7	8.9	7.0	16.2	~	9.1	5.1	5.3	4.1	2.3	3.2	1.5	6.		•1	*	10	86.6
A 0009	PRECI	æ Ö S	*	-	.2			5.	σ.	•	•				6.	80	4.	m.	.2		• 1	*	*	•	•		87	13.4
AREA 51-	(WITHOUT	TOT	12	22	90	172	334	214	521	734	682	52	1144	59	20	38	775	176	598	334	466	218	133	42	œ	7	398	100.0
	F FDG	6 6 5	c	•	*	•	•	•	•	•	•	•	•	•	0	0,	•	•	•	•	•	•	•	•	•	•	-	*
	NCE DI ENCE	61	•	#	*	•	•	•	•	•	•	•	•	•	•	0.	0	•	•	•	•	•	•	•	•	0	<b>6</b> 0	7
	CURRE	57	*	7			۲.	*	۲.	٠.	*	#	*	•	•	•	•	•	•	•	•	•	0	0	•	0	83	9.
E 17	۵ ۵	53	*	• 1	6	4.		7		4.		4.		• 5	#	٦.	*	#	*	•	•	•	•	•	•		3	3.1
TABLE	AND THE	52	9	*		•	1.0	'n	1:1	1.2	1.0	1.7	1.2	1.9	٥.	9.	'n.	.2	۲.	٦.	*	•	•	•	•		3	12.4
	G F)	4 4 N 8	*	•		.2	•	9	•	•	•		2.5		•	•	•	•	'n	.2	•5	٦.		•	•	•	99	26.2
	: (DE	44	0	0		*	ů.	• 5		•	•	•		•	•		•	Φ.	5.	ů.	.2	-	٦.	•	•	0	61	5.6
	RATURI VS A	37	0	0	•	*	#	*	~	m.	'n		1.8	•	•	•		•	•	•		.2	٦.	0	•	•	842	
	TEMPE	38	0	•	•	•	•	•	•	*	*	7	7	9.	•	1.6		•	•	6.	1.2	4.	۲.	*	•	•	065	
	AIR	32	0	•	0	o.	•	0	•	0	•	•	*	#	*	۲.		<b>.</b>	<b>.</b>	•			'n	#	*	•	408	•
	EQ 0F	25 28 28	0	0	•	•	•	•	•	•	•	•	•	c.	o.	•	o,	•	#	*	<b>∹</b>	m.	4	Τ.	#	#	121	٥.
970	CT FR	21 24	0		•		•	့		•	•	•	•	Ö	•	•	0	•	*	•	*	•	*	-:	#		28	• 5
934-1 899-1	•	17 20	•		•	•		•	•	•	•	o.	o	•	•	•	0	0	•	0	•	•	•	*	*	0	m	*
(PRIMARY) 1 (DVER-ALL) 1		AIR-SEA TMP DIF	7/1	-	11/13	_	1/8	•	<b>5</b> 0	4	m	7		0	7	-5	m •	7.	i,		8	9/-1		4/-1	1/-1	0/-2	OTA	PCT
2ER1001																												

	¥.		į	IUIAL	1 6	14	64	51	21	11	01	0 4	'n	-	~	0	o	0	0	0	-	100	•		TOTAL	17	7.1	72	9 0	0 0	18	0	15	4	7	7	0	0	0 0	<b>.</b>	00	0	336	•
	ADAK 172-180W			+ 0 +	9 0	0	•	0.	0	0	0,0		*	0	•	•	•	•	•	0	•	- 1	*		+8+	0.	•	0.0	•	•		0	7.	•	•1	•	•	•	0		•	•	9	• 5
	LEA 0009	(FT)		1	9 0	0	#	*	₹.		: *	-	: 7	•	*	•	•	•	•	0	0 7	17	•	T.	34-47	•	•	o. 1	• <	? -	: -	*	.2		•	*			0,0				19	ċ.
-	ARE 51	IGHTS	,		. 0		m.	4.	2.	•1					•	•	•		•	0	. u	0 1	1.0			•	•	2,5	•		. ~	.2	7	*	.1	0.	0		o c			0		1.7
		SEA HE	,	2	. •		30	.7	2.		0 0	•	•	•		•	•	•	•	•	. "	, ,	•		11-21						. 2		*	*	•	•	•	•	<b>ુ</b> (		9	•	148	•
		VERSUS	7	→		9	7	7	•	* (	9 0		0	•	•	•	•	•	•	0	• 6	,	•		4-10	•	1.0	å	•		•	0	•	•	•	•	0	•	•	9	•	•	æ	2.2
	18	RECTION	5		•	*	0.	#	•		9 0		•	•	•	•	•	•	0	•	• «	•	7.		1-3		*	# 0	•	•	•	0	•	•	•	•	•	•	•		•	•	7	• 5
ANNOAL	TABLE	AND DI	_	ه بـ	ם מ	2	2	5	<b></b> , ι	n o	<b>~</b> 0	• 4		6	1	0	0	<b>3</b> (	0	0 (	<b>3</b> (C	٠.۵	•		_	1	σ.	~ <		o w	. ~	7	•	4	7	0	<b>-</b>	<b>.</b>	<b>.</b>			0	7	<b>S</b>
		(KTS)	7	7	101	9	7	2	m ·	-	-										6.7	•	•		TOTA	•	_	<b>60 k</b>	٠ ‹	, (	` <b>-</b>										0		37	÷
		SPEED	10.7		0		0		° (		÷ *	*	0			•				•	9 "	٠-	•		48+	•	•				•			•		•			•		•	•	7	:
		OF WIND	1	1			•	•5	*	ن •	•	•	.2	.1	*	0	0	0	9	0	2.0	2	•		34-47	•	•	, t		•	: -:	7	٠.	•	*	•	•	•	•		•	0.	22	•
		FREQ	N	6-7	•		5.	4.	4.	2.		*	0	•	0.	0	•	0.	•	•	2.5		•	u	22-3	•	c.	2,5	•	4	2	7.	٦.	•1	*	o c	•	•	•		•	•	Ø	2.0
	0,	PCT		7.1	-		1.2	.7						•			•	0			• 0		•				•	1.3			7		*	•	•					2 0	?	•		•
	1963-1970		01-7	•	1.4		6.	-:	# <	္ (		0			•	•	•	ຸ	•		. 0		•			•					•			•	•	0,0	· •			0	•	•	0	5.4
•	AKY) -ALL)		1								• •														1-3		7	* *							•	9								*
	PERIOD: (PRIM (OVER		137	2 2	1-2	9-6	5-6	7	8-8	10-11	3-1	7-1	20-22	3-2	6-3	3-4	*	10	-	1 6	- <b>-</b>	100	,		HGT	7	1-2	3 1 4	? ~	0 4	10-11	12	3-1	1.	0-5	3-5	0 0	3 - 6	4	1	71-86	87+	- (	U

AREA 0009 ADAK 51-55N 172-180W	
ANNUAL TABLE 18	
ERIOD: (PRIMARY) (OVER-ALL, 1963-1970	

																								GRAND	1 ·	- K	1 0	> <	re	١ ٥	0	0	2	34	0	15	<b>co</b> •	0 0	0 0	<b>o</b> (	0	o, c	0	0000	
3		TOTAL	21	8	158		76	51	35	16	16	M .	0 (	•	<b>v</b> (	<b>o</b> (	> 0	•	<b>o</b> c	•	C	15.1		TOTAL	c	9 0	120	72	- r.	7	34	12	18	S	~	<b>-</b>	0	<b>&gt;</b> (	> 0	<b>&gt;</b> (	<b>&gt;</b> (	•	α	<b>-</b>	•
ADAK 172-180		48+	0	•	•	0	•	•	•	• 1	*	* (	•				•					- 5		484			•	•			•	0	*	*	•	0	0	• °	•	•	•	•	• ^	٠.	<b>!</b>
A 0009	FT)	34-47		0						*	-	* -	•	•	•	•	•	•	9		0	5	X	34-47	c			*				*		•	*	* (							. ~	3 5	
ARE 51	IGHTS (	22-33									2.		- 1	+ C	•	•	•	•	•	C	• "	3.4		22-33	C										* (								• -	2.9	•
	SEA HE	11-21	•	•	•		•				-•							•			· C	7.7		11-21	Ç	•	7	•	•	2	.2	*		•		•		•		•			• C	5.2	
	VERSUS		•		•	4			*		•				•		•	•			• 0	3.2		4-10		• •		•				•	•	•	٠.	•	• ·	•	•	•	•		• ^	3.2	•
JE 18	DIRECTION	1-3	•5			9.																		1-3		! -	• -	•		0	0	•	•	•	•	•	•	•	•	2	•		) r		
TABL	(KTS) AND	TOTAL	2	124	V	V	D (	7 1	7.	7.	) <del>1</del>	n <	• •	<b>1</b> C	<b>o</b> c	0	0	0	0	0	582			TOTAL	30	n (n	Œ	Ů	121	•	40	56	m Y	<b>!-</b> (	~ `	<b>n</b> (	<b>n</b> (	<b>&gt;</b> C	0 0	• •	<b>o</b> c	<b>o</b> c	9	21.6	•
	SPEED		•	o e	•	•	•	•	9	7.	- •	•		· c	•	•			•	0	10	e.		48+	•			9 6		*		•	*		o e			9							
	OF WIND	34-47	•	•		<b>H</b> -	<b>.</b> (	7.	; '	7.		•	•	· c							30	8.		34-47		0		*	•1		.2	.1	4.	•	* •	•	•	? <b>c</b>	•		•	•	• 4 • •	1,1	
	T FREG	22-33				•						F 4									G	3.4	3	22-33	0	0			1.2	•								÷ 0					• 0	2.0	
02	PC	11-21	•	•	•		•														· •			11-21	0				1.5		•	.2	•1	•	•	•	•	•			•		. 0	10.1	
1963-1970		4-10	•				ř.	+ 0	,	•	•	c	•	•	0		0	0	0	0	3	3.3		4-10				•				0												6.4	
MARY) R-ALL,		1-3	• •	:-	•	•	•	•	•	•	•	•				9	9		0	0	00	.2		1-3																			12	m	
OD: (PRI)		HGT	7	1=2	, t	0 10	- 0	0 (	Э,	77	7 .	10	23-05	1 4	3-6	1-4	9-6	1-7	1-8	478	TOTAL	C		HGT		1-2		1	~	30	•	15	3-1	1-1	3 . 0	7 - 6	0 10 0		9-6	-	- 6	87+	TOTAL	PCT	

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(CONT)
18
TABLE

WIND SPEED (KTS) VS SEA HEIGHT (FT)

ADAK	172-180W
AREA 0009	51-55N

TOTAL	311	(2)	906	743	552	309	190	105	127	34	04	15	æ	0	0	0	0	0	0	4095	100.0
484	0.0	•	•	•	*		*	7.	r.	۲.	7.	•1	-	•	•	•	•	•	•	37	6.
34-47	0.0	•	•	•2	•		.7	9.	1.0	.3	4.	.2	:	•	•	0.	•	•	•	203	2.0
22-33	0,0	•	•	•	•	•	2.5	1.5	1.5	4.	4.	.1	0	•	•	•	•	•	•	864	21.1
11-21	•	8.3	13,1	11.5	7.1	2.5	1.3	4.	£.	*	•	•	•	•	0.	0.	•	•	•	1825	44.6
4-10	4.0	0.6	6.7	2.5	.7	•2		•	*	•	•	•	•	•	•	•	•	•	•	975	23.8
0-3	3.6	•	e.	*	*	•	•	•	0.	c.	0,	•	0.	0.	•	•	•	•	•	161	4.7
HGT	₹.	7-1	3-4	9-6	7	8-9	10-11	12	3-		20-22	23-25	26-32	33-40	41-48	49-60	61-70	_	+18	TOTAL	PCT

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

MEAN	m	•	7	0	11	12	0	'n	
TOTAL	1542	1329	868	372	131	26	590	4918	100.0
<b>87</b> +	•	•	•	0	•	•	•	0	0
71-86	•	•	•	•	•	•	0.	0	0.
61-70	0	0	•	•	•	•	•	0	•
09-64	•	0	•	•	•	•	•	0	0.
20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	•	•	•	•	•	•	•	0	•
33-40	•	•	•	•	•	•	•	0	•
26-32	•	*	*	.1	*	*	0	11	20
23-25	•	7	.2	•1	-:	7	•	58	9.
20-22	•	4.	ů.	•5	•5	7	•	9	1.2
17-19	•	٠.	s.	.2	*	•	•	26	1.1
13-16 17-19	.2	1.2	1.2	80	•	ů.	7.	217	4.4
12	• 5	6.	1.3		•	-:	*	164	3.7
10-11	•	1.8	1.7	1.2	<b>.</b>	7	7.	289	5.9
	1.2	5.9	3.0	2.1	ø.		*	487	6.6
7	5.6	5.6	4.2	1.2	۲.	•5	٦.	684	13.9
9-9	6.1	7.7	3.5	•	-:	7	*	887	18.0
3-4	11.1	4.8	2.1	e.	•	•	7.	406	18.4
1-2	8.3	1.1	ů.	*	•	#		488	0.0
₽	1.1	•	•	•	•	•	11.5	622	12.5
PERIOD (SEC)	9	6-7	8-6	10-11	12-13	>13	INDET	TOTAL	F.

PER 100:

PERIODI (PRIMARY) 1943-1970 (OVER-ALL) 1901-1970

AREA 0009 ADAK 51-55N 172-180W

TABLE 21

		¥	12	12	12	0	12	75	00	90	15	. ₹	90	21		
		DA	90	16	21	90	59	01	90	30	11	59	03	56		
		YEAR	1958	1969	1949	1964	1965	1949	1966	1964	1923	1960	1958	1943		
	ES.	Z I	953	958	955	896	972	916	984	982	975	965	959	256		
	EXTREMES	¥	00	12	60	00	12	21	00	21	60	60	21	90		
	ш	DA	23	40	40	60	08	07	13	14	20	25	54	26		
		YEAR	1950	1950	1960	1962	1964	1944	1943	1943	1944	1944	1945	1964		
		MAX	1039	1040	1041	1038	1040	1037	1036	1038	1042	1042	1043	1047		
		101AL 08S	1279	1158	1316	1572	2121	3732	2892	2585	1881	1608	1130	1157	22531	
(MB)		MEAN	166	866	1001	1008	101	1013	1016	1013	1010	1008	1002	1002	1009	
PRESSURE		2100	992	966	1010	1004	1010	1014	1015	1013	6001	1009	1000	666	1008	2674
A A	_	1800	1000	666	1006	101	1012	1012	1016	1013	1010	1008	1003	1005	1010	3133
	R (CMT)	1500	1002	966	1003	1005	1010	1015	1016	1014	1010	1003	766	1003	1010	975
	BY KOUR	1200	1001	1001	1006	1012	101	1012	1016	1013	1010	1008	1002	1004	1010	3401
	ERAGE	0060	666	966	1009	1004	1012	1014	1015	1014	1009	1008	1002	1000	1008	2623
	AVE	0090	1001	1000	1001	1010	1012	1013	1016	1012	1009	1008	1003	1002	1010	3332
		0300	966	666	1004	1001	101	1015	1016	1013	1008	1004	1002	1002	1012	1031
		0000	966	997	1001	1008	1012	1012	1016	1013	1010	1008	1003	1002	1009	5365
		2	NAC	FEB	MAR	APR	MAY	NO7	201	AUG	SEP	DCT	>0N	DEC	ZZ	085

<b>x</b> 66	03	600	000	60	600	99
95%	020	200	600	120	050	05
75%	88	100	020	020	100	010
20%	0.0	00	100	100	60	000
25%	60 60	00	00	100	80	99
58	1	80 80	00	00	0 0	7
1%	99	-10	r 00	9 0	1-0	99
Œ	LAN	MAR	MAY	Aug	SEP	NO.
	1% 5% 25% 50% 75% 95%	MO 1% 5% 25% 50% 75% 95% AN 962 971 985 997 1009 1024 1	AN 962 971 985 997 1009 1024 1 EB 965 975 989 998 1007 1020 1 AR 968 980 998 1008 1019 1029 1 PR 974 982 998 1009 1019 1029 1	AN 962 971 985 997 1009 1024 1 AR 965 975 989 998 1007 1020 1 AR 968 980 998 1008 1018 1028 1 AR 978 990 1003 1012 1020 1038 1 AY 978 990 1003 1012 1020 1038 1 AN 985 995 1007 1012 1020 1038 1	AN 962 971 985 997 1009 1024 1 AR 965 975 989 998 1007 1020 1 AR 968 980 998 1008 1018 1028 1 PR 974 982 998 1009 1019 1029 1 AY 978 990 1003 1012 1020 1033 1 UN 985 995 1007 1015 1020 1028 1 UL 994 1001 1010 1017 1022 1027 1 UG 989 996 1006 1014 1020 1027 1	1x         5x         25x         50x         75x         95x           962         971         985         997         1009         1024         1           965         975         989         1007         1020         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1

			TOTAL	088	38	37	0 4	61	25	E (	7.7	21	31	25	43	97	37	37	0	- a	100.0	3			ď	10.1AL 08.5	071	771	128	147	'n	100.0
	TTU 72-180E		HENA NO	WEA	3.4	2.0	n 4	6.1	2.5	9.0	6.4	2.5	4.3	3.8	2.1	5.9	0.0	1.4	•	1.1	64.7	•			HENA NO	SIG	4 04	444	75.0	59.9	367	9.49
	A 0010 ATTU	z	THER PHENDMENA DOUST NO	BLWG SNOW	•		•							•	0.	•	0	o	•	•	•				HER PHENOMENA	BLWG DUST	Ç	9	•	•	0	•
	AREA 51=5	RECTION	ER WEATHER SMOKE DU	HAZE	•	•	•	. 7	•	٠.	•	0	.7	•	•	.2	•	•	•		1.6			HOUR	ER WEAT	HAZE	0.0	4	0	2.7	σ,	1.0
		MIND DI	F00 2	PCPN	4.	4.	0 4	4	0	o.		5	.2	•	•	•	0	•	0	0,6	7.	•		В	T	N 0 0	4.6		2.3	4.8	23	••
		8	THOR	S I	0.	•	9	•	•	•	9	•	•	o.	•	•	0	0.	•	•	•			OCCURRENGE	9071	LTNG	C		9	•	0	<b>.</b>
¥ 4 4	1	R DCCURRENCE	TOTAL	0 0 S	17	,	14	24	=	10	1 [	4	7	4	11	σ.	σ;	1	۰,	165	•		LE 2	WEATHER D	101	PCPN 085	8.7	77	53	8 4	169	
JANOAR	TABLE	F WEATHER	T 3	معر	3.0		3.0	4.9	2.0		2.0	.7	4.	.7	2.0	1.6	9.7	0.2	o c	7,	29.6		TABLE	P	CT CBCO	20.00	32.2		22.7	~	(	23.8
		0	HAIL		•2	o c	. 4	.2	•	•		0	0.	o	•	2.	•	•	•		0.			FREQUENCY	Ĭ		.7		80	1.4	io o	•
		FREQUENCY	TYPE	PCPN	0.	•	•	0	•	•	•	•	•	•	•	•	•	•	•	•	•			ERCENTAGE	TYPE	FRZN	0	0	•	•	0 0	•
		ENTAGE	SNOW (		2.2	1 0	1.3	2.5	1.1	<b>.</b> .	4	• 5	•5	. 5	1.6			0.1	•	100	17.9			PERCE	TATION		23.5	18.8	10.9	19.0	104	10.3
		PERC	FRZG PRZG				0		•	•	0	•	•		7.	•		•	•	۰ ۸	4.				RECIPI FR76	PCPN	0		Φ.		~	•
			PORZL		n.	o	4	1.1		, 0		.2	•	7.	7.	ه د	• •	•	• ^	28	5.0				P 1780		3.4	6.4	5.5	6.1	500	•
	-1970		RAIN	E .	0.0	9 0	10	.2	•	•	•	•	•	0	9			•	•	, m	••				RAIN	SHWR	•	•	1.6		<i>~</i>	:
	1944		RAIN		~ (	7.	1.3		ů		1:1	•	2.	•	•	•	4 0	•	•	32	5.7				RAIN		•	•	4.7	. (	26	•
	(PRIMARY) (OVER-ALL)		WND DIR		z	ш ц 2 2	ENE	ш	ESE	מ א	50	MSS	N.S.	HOM	3 .		E NN		X - 4 C	m	TOT PCT				HOUR	(GMT)	60300	60390	12615	18621	101	3
	PERIODI																															

								SANCAK	κ.									
PERIODI	<b>20</b>	IMARY)	1944-1	970				TABLE	6					AREA 0	00100 A	17U 72-180E		
				PE	ERCENTAGE	FREQ	UENCY DI	GMIN 9	DIRECTION	B	SPEED A	AND BY	HOUR					
WND DIR	0-3	4-10	IND SPE 11-21	EED (KNDT) 22-33	34-47	<b>48</b>	TOTAL 085	PCT FREQ	MEAN		0	0	0 6	•	HOUR (GHT)	T) 2	18	21
;			,															
z	•	2.7	2.4	4.	•	•	19	6.7	15.6		•	•	.0	.1 8.	.1 8.0		9.7	7.5
22.5	•	•	1.4	•	1:1		24	4.	2		,		0	•	ω	10	m	1.7
Z :	•	•	3.1	•	•		10	10.0	:		11.		'n	13	٥	0.	•	16.7
ENE	:	•	2.1	•	1:1		57	•	ë		*	33	11	6	-	•	4	2.0
w¦	*	•	3.7		•		108	12.9	;		:	16	9	20	80	20.	12	15.0
ESE	•	1.5	1.7		.2	•	39	4.6	7.		4		7	7	m	10.	4	5.8
SE	•	•	3.0	•	9.		25	6.2	8		6		~	~	n	•	4	2.0
SSE		.7	1.0	•	.1		16	1.9	3		2.	16	1		p-4	•	m	8
S	.2	1.9	1.5	8	1.8		53	6.3	•		7.		'n		12	•	۰	5.8
SSE	7	•	1.4	.7	•		27	3.2			3.		~	-	M	20.	2	1.7
NS	s.	1.5	5.6	9.	7.	•	45	5.4	3		*	16	_	•	4	•	4	4.2
NO.	۲.	•	1.1	•	.1		31	3.7	•		ë		2	7	9	•	•	2.5
*		•	5.9	1.2		•	55	6.5	5		5.		•	4	7	•	00	6.7
323		•	1.8	4.	•2		33	3.9			2.	16	7	2	4	•	4	2.5
Z	ď.	•	3.1	•	.7	•	63	7.5	5		7.		0	•	•	•	5	10.8
Z	.2		1.4	1.3	<b>6</b> 0	•	20	0.9	8		9		'n		4	•	12	•
VAR	•	•	•	c.	•	•	0	•	•		•					•		•
CALM	1.4						12	1.4	•		-1			~	7	•		1.7
TOT 085	4	239	~	-	85	7	840		17.9		22		~	•	~	_	_	120
OT PC	5.1	•	•	•	10.1	8		0.001			100.	100	100	100	100	100	100	100.0
								į	•									
								ABLE	. 3A									
WND DIR	9-0	WIND 7-16	SPEED 17-27	(KNDTS) 28-40	÷1.	TOTAL OBS	PCT	MEAN		00	03	8	HDUR 09	(GHT) 12	15	18	21	
z	•				.7		6	18.7		4	0	4	4	9	ċ	2.9	0.0	
Ä	5.0	5.6	•	3.9	•	141	16.8	0		•	3	16.2			10.0	. "		
<b></b>	•	•	•		1.1	4	~	0		è	16.7	0	-	2	ò	6.9	20.8	
, v	•	•	•		٠ •	89 6		17.6		-:	•	•		7.	•	8.1	5.8	
n 3		•	•		7.	26	, 0	•		5 1	٠,	0 0	•	'n	20.0		5.7	
: 7 3	• •	• •	•	. «	•	) a	<b>,</b> c	١ ،		•	16.7	9 r	•	•	•	6.0		
Ž	3.2	6.4	2.6	2.1	۰	113	13.5	16.5		13.7	•	14.5	7.2	11.2			17.5	
VAR		•	•		•	0		•			0	0	0	•	•	•	0	
E C		(				-	1.4	•		•	0	6.	•	•	•	80	1.7	
TOT 085	144	298	221	150	27	840		17.9		227	9	117	111	125	01	124	_	
2	•	•	•	•			100.0			•	100.01	00.00	8	8	8	• 0	0.00	

.

							TOTAL OBS	26	32	30	0 <b>7</b> 1	27	34	17	25	33	21	27	67	, m	100.0
					>4/8)		NH <5/8 ANY HGT	1.7	2.4	. 7	. 0.	i,	2.4	1.7	7.0	9.0	1.7	6.0	0		27.4
ATTU 172-180E						TION	8000+													0,	
					HTS (	DIRECTION	<b>65</b> 00 7999	•	00	0.0	. o	o c	.0	0.	0 0		•	o c	0	0,0	o.
AREA 0010 51-55N					CEILING HEIGHTS (FT.NH	MIND	5000	0	00	0.0	•	2.0	•	0	0,0	.2	0	7.0	0	o, r	
ARE 51		ALS	233 223 135 844 840		CEILIN	<5/8 BY	3500	6	. 2	1.4	. 0	o.	. 2	2,	0.0	5	1.9	1.4	O	.2	14.4
	2	TOTAL 085		1LE 6	90	Ī	2000	.7	1.7	2.1	6.		2.1	2.	1.0	1.4	.7	6.		0.0	18.9
	R (GMT)	PCT	100.00	TABLE	FREQUENCY	NCE OF	1999	1.9	2.1	1.9	1.4	3.8	1.2	1.2	. r.	1:4	.,	6.1	•	2.5	•
	BY HOUR	MEAN	16.5 18.3 20.8 17.3		GE FR	OCCURRENCE	009	.2	26.	i, i	. 0	n c	1.7	2.	2.5		0,1	- "	0	0.6	· ~
4	SPEED B	CALM	7.1 1.3 1.5 1.5 1.5		PERCENTAGE	AND OC	300	0		<b>.</b>	. 0	0,0	0	•	0	.2	0,0	0 0	0	o r	1.2
TABLE	S QNIM	(KNDTS)	40.087.8		PE		150	0	• •	٠, د	, 0	0,0	•	•	• •	0	•	0.0	0	o	
•	9	SPEED ()	9.0 10.5 14.8 8.2 8.2 10.1				0000	-1	٠ ،٠	٠,	15.	٥, ٥	15	~.	70	•	•	70	•	0.0	5.7
	FREQUENCY	WIND 22-33	20.2 21.1 24.4 20.9 179 21.3																		
	ERCENTAGE	11-21	30.9 37.3 37.8 32.4 287		(EIGHTHS)	NAM	UCON	•	7.1	•	• •			•		•	•			0.4	•
	PER	4-10	33.5 24.6 118.5 32.8 239 28.5				AL (S	26	31 31	30	91	10	34	17	5 2	33	21	29	0	424	0
		1-3	4416 6 4407-6	10	AMOUNT	DIRECTION	T0T 0	<b>60</b> C		<b>~ ~</b>	(	٥ ،	*	<b>.</b>	. ~	Φ.		4	0	~0	10
-1970		HOUR	603 609 615 621 0T	TABLE	CLOUD		8 0850	2.	4	v. 4	2	å -	5	<b>.</b> .	: :	•	• "	ຳ ຕົ	•	21	49
1944		Ι	112000	-	OTAL	BY WIND	5-7	2.1	1.7	1.2		1.2	5.	6.0	1.7	5.0	2.0	2.6	•	127	30.0
PRIMARY) OVER-ALL)					9 OF T		3-4		. 6.			20			•					<b>4</b>	
-					T FRE		0-5	4,	•	o r	. ~	0,0	1.2	6.		•	1.2	, ,		. W	0.6
PERIODI					. D. d		WND DIR	z	Z Z	Ä.	ESE	SSE	S	#SS	NS.	3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Z	VAR	CALM OT OB	TOT PCT

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ATTU 172-180E														
AREA 0010 51-35N			# 9	×	2.	6	15.4	33.9	57.9	65.0	66.1	4.99	72.2	309
	NCE		• 0R	>50YD	•2	•	15.2	33.6	57.7	64.7	65.9	66.1	72.0	308
	CUMULATIVE PCT FREQ OF SIMULTANEDUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)		• OR	>1/4	.2	0.	14.5	32.5	56.1	65.8	0.49	64.3	68.9	295
	JLTANEDUS		■ 0R	>1/2	2.	6.	14.5	32.5	55.8	62.6	63.8	0.49	68.0	291
BABLE 7	OF SIMU	VSBY (NM)	9	7	•2	6.	14.5	32.0	55.4	62.1	63.3	63.6	67.3	288
	PCT FREGIGHT		OR	>2	53.	6.	14.0	29.7	50.7	57.2	58.4	58.4	61.7	564
	ULATIVE JF CEILIN		a OR	<b>^</b> 2	•2	.7	12.6	25.2	41.1	46.5	47.4	4-1-4	49.3	211
	5		■ 0R	>10	•	.2		9.6	17.1	18.9	19.6	19.6	19.9	85
1944-1970 1935-1970			CEILING	(FEET)	■ OR >6500	■ DR >5000	■ DR >3500	■ OR >2000	■ OR >1000	■ OR >600	■ OR >300	^	- OR > 0	TOTAL
PERIOD: (PRIMARY) (OVER-ALL)														
PER 1001														

TOTAL NUMBER OF OBS: 428

PCT FREQ NH <5/8: 27.8

TABLE 7A PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL OBS	463
OBSCD	5.4
æ	39.7
7	8.0
•	12.5
10	8.0
4	9.1
m	5.0
2	10.2
7	6.
o	1,3

		PCT	60.0	900	3.6	9.4 7.0 16.4	2	30.2	100.0
		TOTAL	13 11 24	2 50	4 4 8 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	52 39 91	33 163 196 3	4 168 172	556 10
		CALM TO	000	000	•••	201	000	01.0	1.3 10
0E		VAR	000	•••	000	•••	000	000	٥٥.
ATTU 172-180E	TATION	N N N	000	400	L.04	1.3	2.7	01.4	37
	PRECIPITATION	ž	20.1	400	ก๋ห์4	4.00	2.9	1.8	36
AREA 0010 51-55N	P	N.	404	000	701	6,40	40.0	2.0	25
	DR NON OCCURRENCE VISIBILITY	*	1.00	400	000	£40	2.9	2.5	4.2
	R NON OCCU VISIBILITY	MSM	1.00	400	000	000	100	2.0	4.3
	m 9	AS	000	044	201	040	1.8	2.9	31
LE 8	ON VS OCCURRENCE VARYING VALUES OF	NSS.	222	•••	1.00	1.0	1.4	1.3	21
TABLE	VS	S	040	70.7	400	1.4	1.4	2.2	417.4
	= -	SSE	o n' w	0.41	20.1	000	01.4	0,1,1	12 2.2
	WIND DIRECT	SE	000	000	9.0 N	7.	1.3	2.2	5.9
	<del>"</del>	ESE	w o w	000	9.0 m	4 010	1.1	1.3	4.5
	IT FREQ	ш	444	444	1.1	2.2	2.7	2.5	61 11.0
	PERCENT	ENE	000	1.1	พ. จ. พ	L40	2.0	2.2 1.2	44
1944-1970 1935-1970		ĸ	444	.2	7.25	1.3	1.6	1.6	417.4
		NNE	N4.W	000	n'o w	0,4 €	2.2	2.5	38
(PRIMARY) (OVER-ALL)		z	70.7	n c u	N O W	o. n. a	2.2	1.1	33
			PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NJ PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PERIOD:		VSBY		1/2<1	142	2<5	5<10	+01	

JANUARY

4

			PCT	11.10	24NAO	04040	W480	L 8400	40m0	0.0
			AL.	1 13 9 18	112 110 116 42	22.5 25.5 4 1	45 43 62 1	114 957 982 1188	100 110 110 110 110 110 110 110 110 110	136 100
			1 TOTAL	0 0	0 0	0 0	د د 1	2 2	7 9	4 100
			CALM	•	•	• •	•		•	12
	U -180E		VAR	00000	00000	00000	00000	00000	00000	••
	ATTU 172-1		NNN	0.100.1	02406	0.1221	22.27.21	.1 .6 1.1 21	04001	50
	LEA 0010		Z	-0-104	00112	40,000	0 8 4 4 6	1.3	1.00	62
	AREA 51=	E0	X	00101	00044	10014	0 44 4 40	04000	17.00	3.8
		ND SPEED ITY	3	00404	.4101	01100	02147	212	0.08.0.0	54
		VS WIND	MSM	oddie	N000N	71104	00000	10,11,00	115.650	30.6
		ECTION S OF VI	N.S.	00000	10001	01100	4,000,0	2.184.6	1.18	5.4
JANUARY	LE 9	IND DIRECTION G VALUES OF V	SSW	\$-10 <b>1</b> 4	00000	00101	01010	12222	1001	3.2
NAC	TABLE	ARYING	S	0,000	00104	01044	0 4 2 1 1 1 1 1 1 1 1 1	74409	0 8 8 4 7	6.3
		FREG ITH	SSE	00404	0.1001	0.0.0.0	64664	0 4 4 0 4	-4460	1.9
		PERCENT W	SE	00000	00077	01440	0.4625	04844	22.1	52
			ESE	0444	00000	04.04.0	0,04,	04440	11.28	39
			T)	00044	04041	4.2.4.4.4.		2.0	  	108
			ENE	00044	00400	11040	0.4.2.0.1	0.15,251	11.20	6.8
	4-1970 5-1970		Ä	01144	00440	04001	0.4. 1.60	0 1.0 1.8 21	1.6	10.0
	194		NN	0.10.14	04400	01124	0.1.4.6	.1 .2 .2 .6 .1 .8	1.0	54
	(PRIMARY) (OVER-ALL)		Z	00044	0,40,40			1.6	0 8 4 8 4	7.3
	ER1001 (PR		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
	PER		VSBY	<11/2	1/2<1	142	2<5	5<10	10+	

ATTU 172-180E		TOTAL OBS	111	104	112	106	433
AREA 6010 51-55N	S.	NH <5/8 ANY HGT	25.2	24.0	33.0	30.2	122 28.2
AA	A4(8)4	TOTAL	74.8	76.0	67.0	8.69	311
	PERCENT FREQUENCY DF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE DF NH <5/8 BY HOUR	8000+	°,	0.	6.	0	1 2.
	TS (F	6500	•	•	•	•	00
10	ENCY OF CEILING HEIGHTS (FEET OCCURRENCE OF NH <5/8 BY HOUR	5000	•	1.0	•	1.9	w.
TABLE 10	CEILIN	3500 4999	11.7	17.3	13.4	15.1	62
	CY DF CURREN	2000	21.6	20.2	17.0	16.0	81 18.7
	REQUEN DC	1000	29.7	22.1	5.4 24.1	18.9	30 103 6.9 23.8
	ENT	666	7.2	8.7	5.4	9.9	30
	PERC	300	6.	1.0	1.8	6.	1.2
		150	•	•	•	•	.2
970		000	3.6	5.8	3.6	10.4	25
PERIOD! (PRIMARY) 1944-1970 (OVER-ALL) 1935-1970		HDUR (GMT)	60300	00390	12615	18621	T0T PCT
PER1001 (PF							

	AND/OR	TOTAL OBS	108	103	112	105	428
	CUNULATIVE PCT FREQ OF RANGES OF VSBY (NM) CEILING HGT (FEET,NH >4,8),BY HOUR	NH <5/8	24.1	23.3	32.1	27.6	115
12	SES DE 1	<150 <600 <1000 1000+ <50YD <1 <5 AND5+	46.3	43.7	34.8	40.0	176
TABLE 12	OF RAN	<1000 <5	7.4 29.6	8.7 33.0	11.6 33.0	12.4 32.4	43 137 10.0 32.0
	FREQ G HGT	<b>6</b> 600	7.4	8.7	11.6	12.4	10.0
	IVE PCT CEILIN	<150 <50YD	3.7	5.8	4.5	10.5	26 6.1
	CUMULAT	HOUR (GMT)	0000	60390	12615	18621	T0T PCT
		TOTAL OBS	108	103	112	105	428 100.0
	8Y HOUR	10+	29.6 48.1	35.9 39.8	42.0 31.3	31.4	165 161 38.6 37.6
-	(NM)	5<10	29.6		45.0	46.7	165 38.6
TABLE 11	ICY VSB)	2<5	12.0	13.6	13.4	12.4	55
	FREQUEN	142	4.6	5.8	7.1	6.7	26
	PERCENT FREQUENCY VSBY (NM) BY HOUR	1/2<1	•	•	6.	1.9	er.
	•	<1/2 1/2<1	5.6	4.9	5.4	1.0	18
		HOUR (CMT)	60300	60390	12615	18621	T07

PERIOD: (PRIMARY) 1944-1970 (DVER-ALL) 1935-1970

AREA 0010 ATTU 51-55N 172-180E š.

TABLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  TOTAL  FO 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ  C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																
TABLE 14  PERCENT FREQUENCY OF RELATIVE HUNIDITY BY TEMP  1 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ N NE E SE S N N N N N N N N N N N N N N			CALM	9.0	44	•	on				TOTAL	142	141	44	153	480
TABLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  1 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ  1 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ  2 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ  3 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ  4 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100  4 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100  5 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100  5 0-29 30-39 50-59 60-69 70-79 80-89 90-100  5 0-29 30-39 50-59 60-69 70-79 80-89 90-100  5 0-29 30-39 50-79 60-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-59 60-69 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-70 90-89 90-100  5 0-29 30-79 70-79 80-89 90-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100  5 0-29 30-79 70-79 80-89 90-100		EMP	VAR	00	• ·	•	• •	•		DUR	7					
TABLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  1 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0B\$ FREQ N NE E SE S SW N N SW		8	Z	1.50	5.7	1.5	3.5	11.9		<b>₩</b>		7.0	-:	7.7	0:	529
TABLE 13  TABLE 13  FERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ  0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ  0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ  0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ  0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ  0-29 30-39 40-49 50-59 60-69 70-79 80-99 90-100 DBS FREQ  1-20 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3		ECTION	x	0.0	0 N	4.0	3.0	4.9		HIDIT		•		0	<b>.</b>	•
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  TOTAL  D-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ  C 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14	40 DIR	N.S.	0.0	4.8 2.5	~ 0	4.0	8			80-8	30.	35	25.	25.	14
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  TOTAL PCT  TOTAL PCT  TOTAL PCT  TOTAL PCT  TOTAL PCT  N NE E SE  TO -29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0BS FREQ  TO -0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TABLE		s	2.5	2.9	•	• <b>4</b>	9.6	TABLE	RELAT	70-79	14.1	12.1	13.6	15.0	99
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  TOTAL  TOTAL  TOTAL  TOTAL  TOTAL  TOTAL  PCT  N  PERCENT  FREQUENCY OF RELATIVE HUMIDITY BY TEMP  TOTAL  TOTAL  TOTAL  TOTAL  TOTAL  TOTAL  N  PERCENT  TABLE 15		PUENCY		• •		o c	• 4 • 6	•			69-09	4.2	σ.	~	7.2	36
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  TOTAL  TO -29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ N NE  0 -20 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ N NE  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			ш	4.	-1 17	~ 0	101	~		FREQUE		. 7	1.4	2.3	1.3	9
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  TOTAL PCT  0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 0B5 FREQ  0.0 0.0 0.0 0.6 2.9 6.1 11.9 19.7 19.7 41.9 3.8 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		PERCE	Z.	1.7	0 0 ·	۰. 1	83	7		RCENT		0	•	•	•	0
PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP  FOR 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 OBS FREQ  CO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			z	0,00	9 W	7.7	68	+		ď		60300	60390	12815	18521	101
TABLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP		Ţ	FRE	14.9	41. 42. 6. 6. 6.	7.5	78									
TABLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP		TOTAL		91.	159	90	477			HDUR	DTAL DBS	233	232	137	246	848
TABLE 13  PERCENT FREQUENCY OF RELATIVE HUMIDITY B  00-29 30-39 40-49 50-59 60-69 70-79 80-89  00-00-00-00-00-00-2-9-9-9-9  00-00-00-00-00-2-9-9-9-9-9-9-9-9-9-9-9-9			90-100	60 (	D. W.	4.	227	~		) BY	EAN	۰۵.		<b>~</b> 1	_	_
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18	DIRECTION		1-3			0		•		•	0.	•	o c		•	•	•	•		•	0	•			1-3	•	•	•	•		•	•	•	•	•		0	•	•	0.	•	•	? -	+ Ir	:
TABLE	S) AND		TOTAL	، د	N C	• 0	Ś	0	7	e	•	m (	0 0		0	0	0	0	0			10.3			TOTAL	0	•	10	<b>30</b>	4	7 .	→ .	٠,	<b>→</b> ~	4 (	• 0	• 0	0	0	0	<b>o</b>	0 (	) c		5
	SPEED (KT		+ (		•	•	•	•	•	•	•	0	•		0	•	•	•	•	•	0	•			+ 22 +	•	•	o.	•	0	0	0	0	•			0	•	•	•	0	•	•	9	•
	FWIND		34-47		•		•	•	•	1.5	•	•	•		•	0.	•	•	•	0	-	4.0			74-46	•	•	•	•	•		•						0	0	•	•	0	0 -	4 6	<b>:</b>
	CT FREQ D		22-33	•		•	1.0	•	•	•	0	•	•		•	٥.	•	•	•	•		1.0	,	,	56-33	•	•	•	1.0	•	Ü	Ů,	ů			9	0		0.		0			4.4	•
07	S.		11-21		. 0				'n		•		9					•		•		6.7		;	17-11	•	1.5	•	•	•	ņ			•		•	0	•	•	•			2.5		•
1963-1970			4-10	. "	9	•	•	•	•	0	•	•		0	0	•	•	•	0.4		٠,			- 1	01-	•	1.0	•		o c	•	•	•	0	C	0	•	0	°.	0	• °	•	•	3.0	•
(PRIMARY)			1-3							•					•		•	•	•	•	<b>3</b> (	•		1	61	•	•	•	•	o c	•	•	•	2	0	•		•	°			•		•	•
DI (PRI			15.	; ;	3-4	5-6	7	8-8	10-11	12	3-1	1-1	23-25	6-3	3-4	1-4	9-6	1-7	1-8	8	TOTAL	3		100	2	<b>~</b>	1-2	•		-	10-11	2 5	3 1	7-1	0-2	3-5	6-3	3-4	41-48	9-6	-	170	TOTAL	PCT	•

	ATTU 172-180E																							
	AREA 0010 51-55N																							
			TOTAL	01	19	31	35	34	15	11	17	56	10	2	0	0	0	၁	0	0	0	0	210	100.0
		(FT)	484	•	0	•	0	0	•	•	•	0	•	?	0	•	•	0.	•	0.	•	•	0	•
JANUARY	(T)	HEIGHT	34-47	•	•	•	•	•	1.9	1.0	5.5	7.1	2.4	.5	0	•	•	•	•	•	0,	•		15.7
NAT	18 (CONT)	VS SEA	22-33	•	•	1.0	4.3	6.2	3.3	2.4	4.8	4.8	2.4	ē.	•	°.	•	•	•	•	•	•	62	29.5
	TABLE 18	(KTS)	11-21	•	3.8	9.5	11.9	9.0	1.9	1.4	'n	٠.	•	•	•	•	0	•	•	•	•	•	80	38.1
		SPEED	4-10	1.4	5.2	4.3	٥.	1.0	•	5.	•	•	•	•	•	•	°	•	•	•	•	•		12.9
		NIN	6-0	3.3	•	o.	o.	٠,	0.	•	•	o.	•	•	•	•	•	•	•	•	•	•	œ	3.8
			HGT	\$	1-2	3-4	9-6	^	6-8	10-11	12	13-16	17-19	20-22	23-25	26-92	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT
	1963-1970																							
	(PRIMARY) (OVER-ALL) 1963-1970																							
	PERIODI																							

4

87+ TOTAL 00000000 FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 10-11 2.8 1.7 1.6 2.9 2.9 6.5 6-8 PERCENT 10.4 L CONOWOWS 20000 E 

111100000

(SEC) (66 6-7 6-7 10-11 12-13 10-11 10-11 10-11

TABLE 19

126 944 156 157 158 100.0

			TOTAL OBS	71	2 %	404	31	24	3:	27	53	400	22	25	0	•	5	100.0			TOTAL OBS		160	1170	145	578	100.0
	ATTU 172-18CE			5.5	4.1	2.4	4.1	0° 0	1.9	3.0	4.1	* 0	1.2	2.8	•	•	342	·			υ <b>∢</b>		6.76	73.5	55.9	351	
	•	z	R WEATHER PHENGHENA SHOKE DUST NO HAZE BLWG DUST SIG BLWG SNOW WEA	00	• •	o c	0	•	•	•	o ·	•	•	• 5	•	•	m •	Ç.			WEATHER PHENDMENA MOKE DUST NO HAZE BLWG DUST SIG						
	AREA 0010 51-55N	DIRECTION	R WEAT SHOKE HAZE	40	• •	7.	•	? ?	. 0	o.	•	•	? ?	•	•	•	41	•		JU.	R WEAT SMOKE HAZE	•	•	• •	2.1	4	
		MIND DI	FOG SP	*0	4 %	0.4	•	• •	•	•	•		•	•	•	0		•		BY HOUR	FOG SY		4.1	• •	2.1	60	1.4
		BY	THDR	00	2 7	0 0	•	0 0	•	•	•	•	•	0.	•	•	~ 15	*		OCCURRENCE	THDR	•	•	•	٠.	2	£.
.RY	1	OCCURRENCE	TOTAL PCPN OBS	37	11	1.8	60	• •	'n	10	•	D 4	15	80	0	-	206		,E 2	WEATHER OC	TOTAL PCPN OBS	**	<b>*</b> 7	30	55	210	
FEBRUARY	TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME	9.00	1.9	3.2	1.4	1.1		1.8	1:1	***	2.7	1.4	•	•5		30.0	TABLE	-	PCT FREQ PCPN AT OB TIME		200	25.6	37.9		36.3
		ENCY OF	HAIL	20.	• •	• •	•	0 0	9	•	o d	9 0	•	•	•	0	(	7.		FREQUENCY	HAIL	•	•	• •	•	-	•5
		FREQUENCY	TYPE UTHER FRZN PCPN	000	• •	0.0	0	0 0	•	•	•	•	0	•	•	0	<b>-</b> • (	7.			TYPE OTHER FRZN PCPN	•	•	•	•	7	7.
		ENTAGE	TATION SNOW C	3.4	1.1	2.8	6	2.	4	1.6		7.1	2.5	1.1	•	7.	108	1.67		PERCENTAGE	TATION SNOW C	25	2000	20.5	31.7	172	29.8
		PERCI	RECIPI FRZG PCPN	000	• •	• •	•	• •	•	•	٠ د	•	•	•	0	•	<b>o</b> c	•			RECIPI FRZG PCPN	•		•	•	0	•
			PI DRZL	400	2.	7.7		N 0	0			•		•	•	?	2 .	•			DRZL			1.7	1.4	01	1.7
	-1970 -1970		RAIN	700	. 0	0 %	.2	00	0	o.			•	•	o.	•	* 1	•			RAIN	•		0	0	41	•
	1944 1909		RAIN	771	. 2	0.	4.	* 1	.2	.2	,	. 2	.2	4.	•	0 6	27 7	•			RAIN	4		3.4	6.2	56	
	(PRIMARY) (OVER-ALL)		WND DIR	N N	E S	ESE	SE	SSE	NSS	MS		323	Z	N N	VAR	E G	101 UBS	-			HOUR (GMT)	20300	60390	12615	18621	101	-
	PER 100:																										

PERIODI	(PRIMAR	MARY) R-ALL)	1944-1	970 970				TABLE	m					AREA 00	0010 AT	TTU .72-180E			
				ā.	ERCENTAGE	SE FREQ	UENCY D	E WIND	DIRECTION	ON BY S	PEED	AND BY	HOUR						
WND DIR	0-3	4-10	ND SPE 11-21	ED (KNDT: 22-33	75) 34-47	48+	TOTAL OBS	PCT	MEAN		ō	0	6	HOUR 60	JR (GMT	15	18	21	
z	6.	•	•	•	9.	£.	103	11.7	8		11.	•	13.	15	12	10.	10.8	•	
NNE		1.1	1.7	2.0	ď.	•	4	5.6	19.9		*	60	6	•	4		•	2.3	
W I	•	•	2.0	•	1.1	7.	101	11.5	6		12.	•	10.	•	=	10.	15.3	•	
E Z		•	1.6	•	•5		45	5.1	;		*	•		•	6	10.	3.6	•	
<b></b>	i.	1.9	2.8	•	0.		83	4.6	ċ		10	•	12.	2	4	20.	9.0		
ESE		•	5.4	•	•	-:	55	6.3	3.		5	•	5.	m	6	10.	6.6	•	
S	-:	5.4	2.7	•			59	6.7	Š		7	•	÷	•	2	•	2.7		
SSE		•	1.4	•			27	3.1	3.		-	•	5.	m	'n	•	3.6		
S	'n	. 8	2.0	٠.	•	•	48	5.5	5		5.	•	4.	_	~	•	3.6	•	
SSE		•	1.1	•		7.	23	5.6	7.		9	20.	2.		7	10.	2.7	•	
Z (		•	2.2	•		0.	63	7.2	5		7.	•	3	80	2	•	6.3	•	
ESE				1.3	•	.2	34	3.9	5		2.	•	5	"	2	•	5.4	•	
*		•	2.5	•	<b>&amp;</b>	-;	63	7.2	8		7.	•	2.	ន	4	20.	0.6	•	
Z		•				•	56	9.0			e e	20.	*		e	•	4.5	•	
2 2		C• 7				•	52	0.0	ë.		2	•	2.	∞		•	2.7	15.5	
* c		•			.2	•	38	4.9	Š		*	•	+	2	_	10	4.5	•	
X	•	•	•	٠ •		•	0	0	•		•	•	•			•	•	•	
LAL A	6.1	_	-	-		:		1.3			1.2	•	• (	8	2.5	0	•	1.6	
- <b>-</b>		24.5	36.0	017			000		10.		7		15	7	7	-	-	12	
	•	•	•	•		1.3		0.001			100	0 100	100	001	100	100	100.0	•	
								TABLE	3A										
		2 2 2	CDEE	VANATO									•						
WND DIR	9-0	7-16	17-27	28-40	41+	TOTAL OBS	PCT	MEAN		8	60	90	5 60 2 60	12	15	18	21		
Z	•		•		5	5	-	8		•		1.7	-	6.9	0.0	-			
w Z		5.7	5.9	3.4	9.	146	16.6	20.2		17.6	0	6	6.6	21.2	0.0	9	4.0		
ח מ	•	•	•	•		<b>m</b> o	5	-		•	0	6.0	5	3.6	0.0	.9 1	•		
ט ני	• •	• •	• •	•		2 6				•	<b>.</b>	1.1	ů ,	6.1	• 6		•		
NS.				σ.		97	<b>,</b> ~	8			•	. ~	•	•	200		• (		
R	•	•	•	1.9		68	10.1	8		•	20.0			7.6	0.0	5	•		
7 .	•	•	•	9.		06	0			6	•			•	0.0	.2 1			
CALM	0.1	•	•	•	o.	٥ :	0, 7	•		٥,	•	•	0	0,	•	0	•		
-		0	280	4		880	1	18.4		256		120	13.	2,5	0.0	۰ -	. 0		
OT PC	•	34.2		15.9	3.2	)	100.0			0	-	0	10:	•	0.0	01 0	0.0		

) ATTU 172-180E
AREA 0010 51-55N
TABLE 4
PERIOD: (PRIMARY) 1944-1970 (OVER-ALL) 1909-1970

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)	
FREQUENCY OF WIND SPEED BY	(GMT)
FREQUENCY OF WIND	HDUR
FREQUENCY OF WIND	8
FREQUENCY OF	SPEED
4	DNIM
4	P
PERCENTAGE	FREQUENCY
PER	CENTAGE
_	ER
	•

TOTAL	088	261	251	128	240	880	
PCT	FREQ	100.0	100.0	100.0	100.0		0001
	MEAN	18,3	17.5	21.0	17.8	18.4	
	CALM	1.1	1.2	2.3	8	11	1.3
(NOTS)	<b>48</b>	1.9	80	80	1.3	=	1.3
SPEED	34-47	7.3	6.8	10.9	8.3	70	8
CNIM	22-33	24.1	26.3	28.1	22.1	218	24.8
	11-21	36.4	31.1	43.0	37.1	317	36.0
	4-10						
	1-3	3.1	0.9	Φ.	5.4	37	4.7
	HUUR	00000	60390	12615	18621	TOT	PCT

TABLE 5	PERCENTAGE FREQUENCY DF CETLING
	TOTAL CLOUD AMOUNT (EIGHTHS)
	AMDUNT
TABLE 5	CLOUD
·	TOTAL
	EQ 0F
	PCT FR

		TOTAL OBS	7 7 7	20	24	9 6	23	19	16	11	17	19	54	13	7	21	0	50	390	100.0
(8/4)		NH <5/8	1.5	1.5	٠.	1.5	1.0	1.0	1.3	• •	2.1	2.1	2.3	1.0	5.	6.	•	1.0	77	19.7
Z HN Z	NOI	8000+	w 0	•	•	•	0	•	•	•	•	•	•	0	0	?	•	0.	-	E.
HTS (F	DIRECTION	6500	w 0	•	0,1	, m	<b>.</b>	•	6	<b>.</b>	0.	•	0.	•	•	?	•	0	7	1.8
S HEIG	MIND	5000	v. v.	•	o u	0	•	•	•	•	•	•	•	•	•	m.	•	0	7	1.8
CEILIN(	<5/8 BY	3500	2.1	1.5		, 10	s.	1.0	۴.	e.	.5	•	٠.	۴.	•	1.5	0.	6	51	13.1
FREQUENCY OF CEILING HEIGHTS (FT.NH >4/8)	¥	2000 3499	1.8	3.1	1.8	9.0	1.8	1.0	1.0	1.3	80	.5	1.0	1.0	٠.	6.	•	•	66	23.8
SEQUEN(	OCCURRENCE OF	1999	4.4	5.4		,	2.1	1.0	ē.	•	.3		1.3	1.3	00	1.5	•	•	66	25.4
FAGE FI	CCURRI	009	0,0	ě.	rů r			6.		•	e.	1.0	œ	1.0	•	• 5	•	•	27	6.9
PERCENTAGE	AND	300	6.0	•	0,0	. 6	•	۴,	.5	5.	£.	6	ů,	•	•	• 2	•	•	14	3.6
_		150	•••	•	0,0	0	0	٥.	•	٥.	•	<b>س</b>	•	•	•	•	0	•	-	e.
		000	0.6	1.0	0 4		•	.3	•	0.	£.	•	•	•	•	s.	•	•	13	3.3
:IGHTHS)	NAM	CLOUD	6.9	7.1	7.1	7.0	7.0	0.9	5.7	4.9	5.5	6.1	0.9	6.7	9.9	6.9	0.	4.2	9.9	
PCT FREG OF TOTAL CLOUD AMOUNT (EIGHTHS)	NOIL	TOTAL OBS	44	20	37	31	23	19	16	11	17	19	54	18	7	21	0	S	390	100.0
LOUD A	WIND DIRECTION	8 & 08 S C D	3.3	7.4	6.0	5.1	3.6	5.6	1.8	1,3	1.5	1.8	2.3	1.8	Φ.	2.8	•	•	203	52.1
TAL C		5-7	2.3	4.6	2.0	2.1	1.5	1.3	1.3	1.0	œ.	2.1	2.1	2.1	0.1	2,3	•	٠.	133	34.1
0F T	8	3-4	w.v.	Φ.		5	Φ,	m,	m.		2.1	5	8.	æ.	0	m.	0	٥.	41	10.5
T FREG		0-5	m 0	0.	o m	· •	0	€.	œ .	m.	•		•	•	•	•	•	ď.	13	9.3
PC		WND DIR	Z Z Z	Z :	T u	ESE	SE	SSE	S	SSS	IS.	NO.	*	323	Z	ZZ	VAR	CALM	TOT 085	TOT PCT

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AREA 0010 ATTU 51-55N 172-180E	
TABLE 7	
PERIOD: (PRIMARY) 1944-1970 (OVER-ALL) 1909-1970	

DCCURRENCE	(XX)
	VSBY
•	B) AND
SIMU	(B/4/8)
	HI CHH
PCT FREQ	
ATIVE	CEILING
CUMC	A.

	• 8	<u>^</u>	2.0	0.4	16.8	4004	65.4	72.2	76.2	76.4	79.7	318
	a 20 *	>50VD	2.0	4.0	16.5	40.1	6.49	71.7	75.7	75.9	79.2	316
	• 80	>1/4	2.0	4.0	16.3	39.6	63.2	6.69	73.9	74.2	76.7	306
•	# OR	>1/2	2.0	4.0	16.3	39.1	62.2	68.8	71.9	72.2	74.4	297
VSBY (NM	CR	7	2.0	4.0	16.3	38.3	6.09	67.4	70.2	70.4	71.9	287
	■ OR	<b>&gt;</b>	2.0	4.0	15.0	36.6	57.9	64.2	4.99	66.7	67.7	270
	• OR	×	1.3	2.5	10.3	28.6	45.6	51.4	52.9	53.1	53.6	214
	■ OR	<b>&gt;</b> 10	•	••	1.5	9.6	16.5	18.8	18.8	18.8	19.3	77
	CEILING	(FEET)	,,	• •	■ DR >3500	•	•	•	•	•	•	TOTAL

TOTAL NUMBER OF OBS: 399 PCT FR

PCT FREQ NH <5/8: 20

TABLE 7A Percentage freq of Low Clouds (Eighths) TOTAL 0 1 2 3 4 5 6 7 8 GBSCD DBS 1.6 .2 4.2 8.0 4.9 9.8 15.2 7.8 45.5 2.7 448

FEBAUARY
1944-1970
TARIE R

		PCT	3.9	4 10	8.1 2.6 10.7	10.5	8.2 29.1 37.3	23.3 25.0	100.0
		TOTAL	22 7 29	28 33	46 15 61	0 % 6 4 4	47 166 213	101193	571
		CALM	•••	000	404	000	007	01.4	1:1
10E	_	VAR	000	000	000	000	300	000	00.
ATTU 172-180E	PRECIPITATION	X Z Z	40 u	4 vi w	707	444	2.5	044	27
	RECIPI	ž	400	w o w	244	000	50°0	00,0	4.2
AREA 0910 51-55N	9	Z Z	000	000	70.1	000	1.4	1.0	3.5
	CURRENCE	3	44w	001	707	L 42	1.40	2.5	35
	NON OCC	MSM	0,44	707	150	4 11 14	2.5	0.4.8	29
	F 98	NS.	707	400	พ.ผ.4	N. VI 4	1.28	1.20	4.6
<b>ю</b>	DN VS DCCURRENC VARYING VALUES	MSS	000	201	70.7	201	000	1.1	14
TABLE	VS DCC	S	000	w.o.w	204	4 14 14	426	1.40	4.4
	TT.	SSE	4 ú w	•••	10.1	พ่ำพ	9.0	1.0	4.2
	ID DIRE	SE	400	000	v. v. 4	444	1.00	1.8 11.8	5,8
	OF WIND	ESE	400	L04	4 N W	ວິເປັສ	2.8	0.1	7.5
	FREG	ш	400	นูนูล	0,40	2	3.7	1.4	9.5
	PERCENT	ENE	unn	L.0.0	246	000	1.8	1.2	36 6.3
1970	<b>14.</b>	w Z	r.42	ໜູວູດ	1.1	1.8 1.1 16	2.8	2.8 17	71
1944-1970		N N N	20.1	424	041	1.1	2	1.2	94
(PRIMARY) (OVER-ALL)		z	400	400	1.2	2.3	9.5	1.0	12.3
			PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	TUTAL PCT
PERIODI		VSBY		1/241	1<2	2<5	5<10	10+	

			ă	0.00	444	2000	4016	32 6 7 8	10000	100
			TOTAL	0 10 10 10 10 10	100 100 100 100	40000	97 97 60 68 171	19 66 110 110	112 88 89 49 233	100.0
			CALM	• •	-	· ·	w w	2 2	n 4	11 1.3
	80E		VAR	00000	00000	00000	0,000	00000	00000	00
	ATTU 172-180E		NN	00000	00126	00101	00000	1.0	0144	37
	AREA 0010 51-55N		Z	21017	40004	7:55	0.25.61	1.8	1.3	52
	AREA 51-	ED	N	00000	00000	0.10.10	00000	17.50	565-151	3.0
		IND SPEED	3	0040	00101	04404	0,000	49966	1.6	7.1
		DN VS WIND S	MSM	00044	00044	0.10.10	01014	0,0,0,0	04120	3.9
		ND DIRECTION VALUES OF V	N.	00011	01014	02147	0 10 4 4 5	7.8.0.00	1.0	62
FEBRUARY	TABLE 9	IND DIR	NSS	00000	00011	00104	04	079.10	0,4,4,4	23
FEB	TA	T FREG OF WIND WITH VARYING VA	v	00000	40104	04048	0 44 44	51.00 NO	1.5.7.4	5.5
		ENT FRE	SSE	000	00000	00110	00444	000,00	0 4 16 4 10	3.1
		PERCEI	SE	01107	0	01000	111	1.1	014.48	59
			ESE	01017	000,04	00004	01466	1.1	0.2997	54
•			ш	00126	0	44600	28996	2.83	13.5820	9.4
			ENE	04446	0.10,4	6466	0.44,48	0	0,1,10	5.0
	4-1970 9-1970		Ä	oonwn	-0446	0.1.4.1		3346	 11 2	101
	) 1944- L) 1909-		N. E	00101	10018		1,000	11.82.0	0 0 0 0 4	48 5.5
	(PRIMARY) (OVER-ALL)		z	00000	10010	11,611	0.0.00		1000	102
	ER100: (P		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TÜTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL PCT
	PER I		VSBY (NM)	<1/2	1/2<1	142	2<5	5<10	10+	

ATTU 172-180E		TOTA: OBS	115	101	96	86	100.001
AREA 0010 51-55N	9	NH <5/8 ANY HGT	21.7	14.9	24.4	23.5	85 21.0
AA	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	78.3	65.1	75.6	76.5	319
	EET, NH OUR	<b>\$</b> 000 <b>\$</b>	6.	•	•	•	1 %
	175 (F	6500	5.6	1.0	0.	3.1	1.1
10	ENCY OF CEILING HEIGHTS (FEET OCCURRENCE OF NH <5/8 BY HOUR	5000	1.7	4.0	•	2.0	2.0
TABLE 10	CEILIN CE OF	3500	10.4	16.8	15.6	8.2	51 12.6
	CVOF	2000	21.7	23.8	21.1	26.5	94
	REQUENCE OCC	1999	27.0	24.8	5.6 24.4 21.1	23.5	101
	ENT FI	666	7.0	6.9	5.6	7.1	6.7
	PER(	300	3.5	5.0	4.4	3.1	16
		150	c,	0.	1.1	•	1 %
970 970		000	3.5	3.0	3.3	3.1	13
1944-1970 1909-1970		HOUR (CMT)	60300	60390	12615	18621	T0T PCT
PERIOD: (PRIMARY) (OVER-ALL)							
PER 100 :							

	œ				•		• •
	AND/C	TOTAL OBS	114	100	8	96	399
	HOUR	5+	21.1	13.0	22.5	21.9	19.5
	VSBY	AND				.,	
12	IGES OF NH >4/8	1000+ NH <5/8 AND5+ AND 5+	43.9	54.0	41.6	42.7	182
TABLE 12	OF RAN	<pre>&lt;600 &lt;1000 &lt;1 &lt;5</pre>	11.4 35.1	10.0 33.0	13.5 36.0	15.6 35.4	50 139 12.5 34.8
	FREQ.	<b>6</b> 000 <b>1</b>	11.4	10.0	13.5	15.6	50 12.5
	CUMULATIVE PCT FREQ DF RANGES DF VSBY (NM) AND/DR CEILING HGT (FEET,NH >4,8),BY HDUR	<150 <50YD	3.5	3.0	9.6	5.2	3.8
	CUMULAT	HOUR (GMT)	E0303	60390	12215	18621	T0T PCT
		TOTAL OBS	114	100	89	96	353
	3Y HOUR	10+	36.0	34.0	31.5	28.1	162 130 40.6 32.6
-	( WN )	5<10	38.6	39.0	40.4	44.6	162
TABLE 11	ICY VSBY	2<5	13.2	17.0	19.1	4.6	58 14.5
	FREQUEN	142	4.4	4.0	2.2	6.3	4.3
	PERCENT FREQUENCY VSBY (NM) BY HOUR	1/2<1	1.8	3.0	1:1	5.5	11 2.8
	-	<1/2	6.1	3.0	5.6	6.3	21
		HDUR (GMT)	60300	60390	12615	18621	T07

FEBRUARY

PERIODI		(PRIMARY) (DVER-ALL)	1944-1970 1909-1970	1970										AREA 0010 51-55N		ATTU 172-180E	<u>u</u>		
				TA	TABLE 13										TABLE	14			
	PERCENT	T FRE	PUENCY	OF RE	FREQUENCY OF RELATIVE HUMIDITY	HUMID	ITY BY	TEMP	44407	Į		PERC	PERCENT FRE	EQUENCY	OF WI	FREQUENCY OF WIND DIRECTION	CTION B	BY TEMP	
TEMP F	0-29 3	66-0	65-04	50-59	0-29 30-39 40-49 50-59 60-69 70-79 80-89	70-79		90-100		FRED	z	N.	<b>u</b>	SE	S	N.	3	> 3	VAR CALI
45/49	•	•	•	.2	.2	9.	•	•	2	1.0	•	0	0	•	4	•2	2.	.2	0
40/44	•	•	•	*	1.8	3.7	3.5	3.1	94	12.5	1.0	1.2	60	1.8	2.7		0	9	0
35/39	•	0	•	9.	2.0	7.0	14.5	19.4	222		4.3	6.7	9.2	4.7	4.7	5.9		3.7	0
30/34	•	•	•	•	1.0	3.7	9.6	19.0	170		6.3	4.1	4.3	2.0	1.8	6	•	6.	0.
25/29	•	•	•	•	•	1.0	2.2	4.7	40		3.3	1.6	•	.2	٥.	•2	. 4	1.8	•
50/24	•	•	o.	•	°	•	1.0	1.0	10	2.0	• 5	•2	•	•	0	0.	• •	1.0	0.
TOTAL	0	0	0	9	25	82	157	241	511		77	70	73	77	65	99	57	29	0
PCT	•	•	•	1.2	4.9	16.0	30.7	47.2			15.1	13.7	14.3	8.6	9.6	12.9 1	11.2 13	3.1	.0 1.
			-	TABLE 1	15										TABLE	16			
MEA	MEANSJEXTREMES	REMES	AND	PERCENTILES	ILES 0	OF TEMP	(DEG F)		BY HOUR		_	ERCENT	FREQU	PERCENT FREQUENCY OF		IVE HUM	RELATIVE HUMIDITY BY	Y HOUR	
HOUR M	мах 9	<b>366</b>	95%	20%	×	1%	E NIE	MEAN T	TOTAL		HOUR	0-29	30-59	69-09	70-79		80-69 90-100	MEAN	-
	45	44	41	34	27	54			254		60300	•	1.3	4.4	17.1		46.2	87	158
		43	45	35	27	54			549		60390	•	1.9	8.0					
12615	45	41	39	34	28	54	23 3	33.6	124		12615	•	•	•		32.5		87	
	45	41	0	34	27	25			239		18621	•	•	3.5					
T0T	45	43	41	34	27	54		34.1	998		TOT	0	•	25	82				

1944-1970	1909-1970
(PRIMARY)	
PERIODS	

AREA 0010 ATTU 51-55N 172-180E	(WITHOUT PRECIPITATION)
TABLE 17	OF AIR TEMPERATURE (DEG F) AND THE DOCURRENCE OF FOG (WITHOUT PRECIPITATION AIR-SEA TEMPERATURE DIFFERENCE (DEG F)
RIDD: (PRIMARY) 1944-1970 (DVER-ALL) 1909-1970	PCT FREQ OF AIR TEMPERATURE AI

2	FOG	•2	9.	.2	1.0	1.0	3.3	3.8	7.9	5.0	11,3	10.2	12.3	10.9	7.5	10.2	6.9	5.6	80	474	0.66
3	F06	0	•	•	•	•	.2	•	•	•	.2	•	•5	•	.2	•	•	•	.2	80	1.0
TOT		-	n	-	5	5	17	18	38	54	55	64	9	52	37	49	33	27	5	479	10000
45	48	•	4.	0	•2	•5	•	•	•	•	•	•	•	0	•	•	0	•	•	4	8
41	4,4	•2	•2	.2	*	4.	1.0	•	0	0	•	•	•	0	•	•	•	•	•	12	2.5
37	9	•	•	•	4.	4.	1.5	3.1	2.0	2.1	3.5	1.0	0	•	•	•	•	•	•	82	17.1
33	36																			201	
29	32																			133	
25	28	•	•	0	°	•	•	•	•	•	•	•	•	•	•	œ	2.7	4.0	•5	40	8.4
1,	••	•	•	0	•	•	•	•	•	•	•	•	0	•	•	•	•	•	80	7	1.5
AIR-SE,	TMP DI,	1/8	•	2	4	m	2	7	0	7	-5	e-	4-	-5	9-	8-//-	-6/-10	-11/-13	-14/-16	TOTAL	PCT

	0E			TOTAL	0 6	V 4	<b>1</b> ~	m	4	<b>m</b>	<b>~</b> •		4 4	~ ~	0	0	0	0	0	0	0	4	21.6		TOTAL	0	8	•	7	n :	<b>&gt;</b> c	4 (	4 (1	•	۱ ۸	0	0	0	0	9	•	0	24	12.1
	ATTU 172-180			48+		•	•	•					•				•	•	•	•	•	<b>~</b>	10		48+	•	•	0.1	0	0.0	•		•	9	0		•	°.	0,0			0	0	•
į	-55N	FT.)	NE NE	7-5	• c	•	•	•	•	•		•	0	•	•	•	•	o,	•	•	•		4.0	SE	4-4	•	•	•	•	2	•		•	9	15		•	•	0,0	•	2 9	•	m	1.5
•	AKEA 51-	HEIGHTS (		22-33	ຸດ	•	. 0	1.0			•	4		•	•	°	•	•	•	•		~	11.1		22-33	•	•	•	•				0.1	10			•	•	o c	•	•	•	•	4.5
		SEA HE				•	0			o c	•	• •				•	•	c.	•	•	•		••		11-21	•	•		•		•		15	10	•	•		•	o c		•		0	4.5
		VERSUS		4-10		•	•	0.	ئ.	o e		•	9 0			•	•	•	•	•	•		1.5		4-10	•	•	0.1	•	Ģ	2 9				•		•	•				?	6	1.5
	3.8	DIRECTION		<u>-1</u>			0		0.			•				•	•	•	•	•	•	-4	'n		1-3	•	•	•										•					0	•
FEBRUARY	TABLE	AND DI		ه د	<b>3</b> C		. ~	_	•	· · ·	~ 4			. ^	•	_	^	0	0	•	<b>.</b>					0	-4 (	٥.	<b>.</b>	د د			. ~	10	.•	_	_	0	0.0				9	_
_		(KTS)		TOTAL						•••		. ~			•					•		~	12.		TOTAL			•	•		-				•		Ĭ						m	18.
		SPEED		400 + 00	• 0	•		•	0			2 0		•		•	•	•	•	•	•	0	•		+ 5. +	•		÷ (			•				•		•	•	ô	•	20	•	-	i.
		OF WIND		34-47			•	•	•	•	•		, r	0	•	•	•	•	•	•	0		1.5		34-47	•	•			2 4		•	•	1.0	5.		•	•			9	•	7	3.5
		FREQ		22-33		•				•	0.1	•									•	-			22-33	•	c.	9.0	•	•	9		•		1.5	•	•	•	0,0	•		•		10.1
	0	PCT		11-21		•	3.0	•	•	o o		•	9	•	o	ó	•	•	•	•	0.1		w.				•									•		•				•		3.5
	.963-1970		•				0													0			2.0																•				0	•
> 0 4	AL						0							•		•		•		•		0	•			•											•		2 0				<b>→</b>	ŗ
1007			(	5 7			2-6	-	8-0	10	77	10	20-22	3-2	6-3	3-6	1-4	9-6	1-1	1-8	+ 28	- 1	J		HGT		7-1			- 1	10-11	12	3-1	7-1	7-0	3-5	6-3	3-4	, ,	1-1	1-8	87+	TOTAL	U
0.0	•																																											

AREA 0010 ATTU 51-55N 172-180E

TABLE 18

																									GRAND	TOTAL	<b>-</b> ;	11	59	BO 1	רן ה	26	18	27	23	15	m	0	0	0	0	0	0		199	•
<b>-</b>			2	<b>&gt;</b> m	7	٠,	7	(4)	-	7	2	-	m	•	0	0	0 0	•	•	<b>5</b> (		٧,	10.6		TOTAL	•	۰ د	<b>→</b> ,	*	7	<b>v</b> c	• 0	M	2	0	0	0	0	0	0	0	0	0 0	9	14	0.,
1/2-10		0 7	•	•	•	0	•	0	0	•	•	•	•	•	•	0.	•	•	•	•	•	<b>o</b> (	•		48+	•	•	•	•	•	•		•	•	•	•	0.	•	•	•	•	0	•	•	0	0.
NCC.	(FT)	SW		•	0	0	•	٠,	0	3.	1.0	٠.	1.5	3.	•	•	•	•	•	•	•		v. 4	18 7	34-47	•	•	•	<b>.</b>	•	•	•	•	•	•	•	•	o.	•	•	0.	•	•	•	0 (	•
10	HEIGHTS (		3	•	0	0				5.	0.	•	•	0	•	•	•	•	•	, c	•		2.0		22-33	c	•	•		, <	•	0	•	1.0	•	•	•	•	•	0.	•	•	o 0	• 1	- "	3.0
	SEA HE	11-31	4		•		1.0	٠	•	0	•	•	•		•	•	•	•	•	•	•		2.0		11-21		•	•	0.1	ů, r	•			•	•	•	•	•	•	•	•	•	•	•		7.0
	VERSUS	01-7	•	.0.	1.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		2.0		4-10	•	•	0 1	•			•	•	•	•	•	•	•	•	0.	0.0	•		•	n .	1.5
01	DIRECTION	1.22		•••	•	0.	•	•	•	0.	•	•	•	•	•	•	•	•	•	•	•	•	•		1-3	•	•	•	•	•	•	•	•	•	•	0.	•	•	•	o.	•	•	•	•	<b>&gt;</b> c	•
	(KTS) AND	TOTAL		•	7	2	-	1	7	7	e	m	-	0	0 0	<b>&gt;</b> (	> 0	•	•	<b>&gt;</b> c	,	4	ϥ0		TOTAL	-	<b>→</b> (	7 -	<b>.</b>	٦ ,	۰.	. 7	7	4	0	0	0	0 (	<b>o</b> (	<b>5</b> (	<b>&gt;</b> 0	<b>&gt;</b> (	> <	2	٠,	1.01
	STEED	484	,	•		•	•	0.		•	•	•	•			•					•	•	•		48+	c	•	•	•	•	•	•		•	•		•			•	•	•	9	•	> <	?
	OF WIND	74-45		•	•		•	•	•	•	.5	• 5	•			•				•					34-47	c	•	•	•	•		•	•	1.5	•	•	•	•	•	•	•	•	9	• "	n 4	•
	FREQ	5		0	•	•	•	•	•	•		•			•		•			•	•	• •	r.		22-33		•					1.0	•					o c		•			•			•
2	PCT			•				•	•		•	•											•		11-21	c	•	•	•		•	•	.5	•				•				•	•	•		•
		4-10		0			•	۰.	•		0	•	•										•		4-10	•			•		0			•	•	•	•					•				•
		1-3		•										•								•	•		1-3	C																	•		> <	•
		HGT	7	1-2	3-4	2-6	7	8-9		12	3-1	-1	0-5	23-25	2-5	70	9-0	1-7	1-8	87.	٠,	6	•		HGT	V		7-6		~		10-11	15	3-1		0-7	7-0		1	4-0	1 1 0	1	974		5 6	

(KTS) VS SEA HEIGHT (FT)

TABLE 18 (CONT)

(PRIMARY) (OVER-ALL) 1963-1970

PERIOD:

34-47

22-33

11-21

4-10

ATTU 172-180E

AREA 0010 51-55N

11174WW1 V

87+ TOTAL 000000000 41-48 49-60 61-70 71-86 00000000 00000000 13-16 17-19 20-22 23-25 26-32 33-40 00000000 0000000000 2.0 2.6 1.7 6.2 7.8 7.8 10-11 6 H 00000 L nw0000004

SERIOD (SEC) 
1

PERIODI	(PRIMARY) (OVER-ALL)		1944-1970 1904-1970						TABLE	-			AREA 0010 51-55N		ATTU 172-180E	
					PERCI	ENTAGE	FREQUENCY		OF WEATHER	OCCURRENCE	8	WIND DI	DIRECTION	z		
	WND DIR	RAIN	SHER	DRZL	RECIPI FRZG PCPN	SNOW (	TYPE OTHER FRZN PCPN	HAIL	PCT FREO PCPN AT DB TIME	TOTAL PCPN 08S	THDR	FOG WO PCPN	OTHER WEATHER FOG SMOKE DU WO HAZE BLWG PCPN BLWG	HER PHENDMENA DUST ND BLWG DUST SI BLWG SNDW WE	TENA NO SIG	TOTAL DBS
	a		•	•	•		•	•		;						
	2	ŋ :			•	2.5	•	•	2.9	21	•		o	•	6.8	75
	22.2	•	•	. ·	•	2.1	0	•	7.7	17	•	•	o	•	3.9	4.5
	Z Z	•	•	•	• ·		•	•		54	•	;	•	o.	4.7	60
	, 4				•	7.7	•	•		970	•	•	•	•	D • U	4 .
	ESE	•	9	0	•	7	9		0.0		•	• 4	•		0 0	1 00
	SE	1.5	•	_	•	70	•	, m	9.9	24	•		? :		2.5	0 <b>4</b>
	SSE	7		•	•	1.0	•	•	1.1	80	•		•	•	2.2	30
	S	9	•	7.	•	.7	•	0	1.4	01	•	•	7	•	4.3	4
	MSS	ď.	•	•	•	• 1	•	•	4.	6	•	•	0	•	3.6	59
	N.	4.	•	7.	•	1:1	•	•	1.5	11	•	•	•	•	3.9	39
	Z SZ	•		0	•	1.1	•	•	1:1	60	•	0	•	•	3.8	35
	T .	•	•	7.	•	1.5	•	•	1.7	12	•	•	•	°	5.4	51
	3 2 3	•		0	•	1.1	•	•	1.3	o	•	•	•	·	1.7	21
	2	•	•	•	•	2.5	-	•	5.4	17	0	7	°.	°.	3.5	41
	22	• •	•	•	0	1.7	•	•	1.7	12	•	ů.	-:	°.	2.8	35
	VAK	•	•	٠.	•	•	•	•	•	0	•	•	•	°	•	0
	1 T T D	• •		• •	•	1.1	9 0	•	4.	6	•		•	•	5.6	23
	101	-			0	•	4 (	n .		230	0	30	4	0	*	
	2	0		*.7	•	74.0	<b>.</b>	•	32.8		•	2.0	•	o.	9.19	100.0
									TABLE	E 2						
						PERCENTAGE		FREQUENCY	-	WEATHER OCC	OCCURRENCE	BY HOUR	š			
				•	RECIPIT	ATION	TYPE					포	R WEATHER	•	IENA	
	HOUR GMT)	RAIN	SHER	DRZL	FRZG	NONS	DTHER	HAIL	PCT FREQ	TOTAL P. PN	THOR	50.5	SMOKE	DUST BILL DIICT		TOTAL
					•		PCPN		OB TIME	085		Z		BLWG SNDW	MEA	680
	60300	•	•	1.0	0.	31,3	5.	1.0	37.9	75	•	6.1	1.0	0.	55.1	198
	60390	•		9.0	•	23.7	٥	•	33.3	99	•	5.6	1:0	•	60.1	198
	12615	2.0		2.0	0.0	18.3	•	.7	22.9	35	0	4.6	•	•	72.5	153
	18621	• 4	ů ,	3.1	•	22.2	<b>.</b> .	o c	32.5	63	•	3.6	•	o e	63.9	194
	5 T 2	5.4	4 10	2.3	90	24.2	7 19	. J	32.2	539	0 0	5.0	4 4	0 9	463	743
		•			•	7	•	•	;		?	•	•	•	6.30	Э

į

			21	4.6	• •	•	3.1	•	• •	•	•	3.1	•	• •		•	•	• 4	90												
			1.6			0	6.8			9.5	2.7	6.1		2.7	7.5	5.4	•	2.4				_	•	IC *	0.0		•	•	00		. 6
	U -180E		15	23.1	7.7		0.0	5.4	•	7.7	7.7	7.7	12.4	7.7	0	•	•	0.5	-		8 21	13.	15.	17.	77		6	14.	•	16	100
	ATT 172		(GHT) 12	80 40 10 10	9.5	5.2	8.5		3.3	3.9	5.5		7.9	4.0	5.5	6.5	•	3.9	0000		1	1 15.	7 9.	0 11.	12.	10	1 10.	12.	•	14	0 100.
	A 0010		HDUR 99	7.6	• •	2	•	•		•	•	•	•		•	•	•	• K	0000		2 1	23.		•		15.	23.	•		• ~	100
	ARE 51	œ	8	12.0	0.	9.	٠. د	4.4	5.1	6.3	4.4			1.0	3.8	5.1	0	2.5	00.00		R (GHT) 9 12	15.	14.			11	11.	11		15	100
		BY HOUR	60	20.0		•	20.0			•	•	20.0	2	20.0	•	20.0			0000		HOUR 60 09	15.	7.	24.	•	10	11.	13.	•	15	100
		AND	00	9.8	8.2	4.4	بن a	8.2	3.5	9.9	Φ.	-; •	9 6	9	ů.	•	•	3.0	0		90	19.	14.		10.	10	10.	<b>.</b>	•	15	100
		r SPEED					_												ĭ		•	20.	•	20.	• •	20.	20.	20.	•	•	100
		110N BY																			00	14.9	12.7	20.3	6	11.1	10.1	2.0	1.60	316	100.0
Ε.	6	DIRECTION	MEAN	19.2	6			9			;	ė		4		æ	•	17.8	•	9 <b>A</b>											
744	TABLE	F WIND	PCT	9.7	•	+	•	•	3.3	•	•		•	•	•	•	• ;	0.7	100.0	TABLE	MEAN	0	21.8	<b>D</b> C	4	8	<b>~</b> ,	•		17.8	
		JENCY D	TCTAL OBS	107	98	<b>50</b>	44	79	37	99	96	D 10	40	34	17	20		1106	•		PCT FREQ	15.7	12.4	: 6	6	·		ċ	2.6	•	100.0
		E FREQU	+8+	60	*	7	•	? .	•	•	•	9 0	4	•	7	•	•		1.3		TOTAL OBS	7	137	<b>ر</b>	. 0	-	-	7	200	1106	
		PERCENTAGE	34-47	1.0		•		•		ů,	• ·	4 15	4	7	4	ų,	•	73	9.9		÷	1.2	6.	0 17					•	44	4.0
	-1970	PER	ED (KNOT) 22-33	2.5	•	•	•	•	6.		•	1.0				•		267			(KNDTS) 28-40	•	9.0				•	•		151	•
	1944-1		ND SPE 11-21	3.4	•	•			•	•	•			•	•	•	•	406			17-27	•	3.5			•	•	•	?	G	•
	IMARY)		4-10	2.5		,	0.40		1.1	•	•				•		•	~	25.1		WIND 7-16		W 1			•		•		4	36,5
	£ 0		0-3	70	.3	•	• 0	4	•	4.0	0.4			.3	۲.	4	•	9	6.1		9-0	1.1	1.2	1.8	1.2	1.0	9.	0 0	2.5	-	14.2
	PERIODI		WND DIR	z z W	N.	ENE	n n	SE	SSE	v i	# 30 00	E IN	-	RZZ	Z	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	X - X	100			WND DIR	z	¥.	n c	S	Z.S	* 2	X & >	CALM	TOT 085	

							TOTAL OBS	897 899 899 899 804 804 804 804 804
					>4/8)		NH <5/8 ANY HGT	
180E					(FT.NH >	NO	₩0000	000000000000000000000000000000000000000
ATTU 172-180E						DIRECTION	9 6662	V4000000000000000000000000000000000000
AREA 0010 51-55N					S HEIGHTS	WIND 0	5000	0,00000000004,000000
ARE/		٠,٠	2000		CEILING	<5/8 BY	9500	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
	~	TOTAL OBS	321 312 166 307 1106	LE 6	P	¥	3499	00000000000000000000000000000000000000
	(GMT)	PCT	1000.0	TABLE	FREQUENCY	NCE OF	1999	2112 2111 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2
	BY HOUR	MEAN	100000			OCCURRENCE	009	408044404400004000
	SPEED B	CALM	1.6 2.6 2.6 2.6 2.6		PERCENTAGE	AND DC	300	4,4,00000000000000000000000000000000000
TABLE	MIND S	(KNDTS)			PE		150	
	9	SPEED (	2.0.2.0 2.0.0.0 2.0.0.0				000	004000040004007400F
	FREQUENCY	WIND 22-33	25.9 23.1 23.1 25.1 26.1 26.1					
	PERCENTAGE	11-21	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		(EIGHTHS)	į	CLOUD COVER	4 - 4 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -
	PERC	4-10	26.8 22.4 222.3 27.7 278 25.1					5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		1-3	44444		CLOUD AMOUNT	CTION	TOTAL D 08S	10
1944-1970 1904-1970		HDUR	00603 06609 12615 18621 107 PCT	TABLE 5	CLOUD	WIND DIRECTION	8 08SC	4 W 4 W 0 W W W 0 W W 0 W 0 W 0 W 0 W 0
		I	000 112 118 128	-	TOTAL	BY WIN	5-7	410 W11 000W4 00 140 W40000W1
(PRIMARY) (OVER-ALL)					R		3-4	21 04 11 11 11 11 11 11 11
					PCT FREG		0-5	4000000000400004404
PER 100 :					à		WND DIR	NN E E E E E E E E E E E E E E E E E E

AREA 0010 ATTU 51-55N 172-180E

	TABLE 7
1944-1970	1904-1970
	(DVER-ALL)

URRENCE	(NH A4/8) AND VSBY (NH)
200	VSBY
ANEDO	AND
SIMULT	<b>&gt;4/8)</b>
9	Z
CT FREQ	HE I GHT
ATIVE P	DF CEILING HEIGHT
CUMUL	40

	• 80	2	,	9.	3,3	17.2	43.5	65.1	71.2	72.7	72.7	79.1	406
	• 80	>50YD		1.6	9.9	17.2	43.5	65.1	71.2	72.7	72.7	78.3	404
	• 80	>1/4	,	1.6	3.3	17.2	43.1	64.5	70.6	72.1	72.1	77.2	956
_	9.	>1/5		7.6	3.3	17.2	43.1	64.3	70.4	71.9	71.9	75.4	387
VSBY (NM	80	7		1.4	3.1	17.0	41.5	62.8	68.6	70.0	70.0	73.1	375
	• 0R	>5		1.4	3.1	16.6	39.5	56.9	62.8	63.7	63.7	66.5	341
	• OR	<b>^</b> 2		1.2	2.9	16.0	35.7	46.0	50.9	51.1	51.1	52.0	267
	. OR	>10		.2	1.0	8.0	15.0	20.9	22.8	22.8	22.5	23.0	118
	CEILING	(FEET)		DR >6500	OR >5000				OR >600				TOTAL
					•					•	•	•	

513 TITAL NUMBER OF OBS:

50.9 9CT FREQ NH <5/8:

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TABLE 7A

TOTAL S OBSCD OBS 2.0

5.5 7.7 14.8 10.4 41.1 7.0 596 4.0

		DCT	W 0 4	4.0.0	7.1 3.6 10.7	8.6 8.7 17.3	32.3	25.6 25.8 28.4	100.0
		TOTAL	25 21 46	3 4 4 6 6 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6	51 26 77	62 63 125	59 174 233	19 186 205	722
		CALM	•••	•••	004	1.1	440	004	3.0
0E	_	VAR	000	•••	000	000	000	000	00
ATTU 172-180E	PRECIPITATION	N N N	0.1.1	v w	6.4	စ် စံ စ	1.1	1.0	34
	RECIPI	Z	70.1	000	9.1.0	0,00	1.0	1.5	, c
AREA 0010 51-55N	9	R Z	0 11 10	000	r.o.w	<b>.</b> • • •	wrr	1.95	3.0
	URRENC	3	•••	400	400	41.00	1.9	2.8	52
	OCCURRENCE OR NON OCCURRENCE NG VALUES OF VISIBILITY	MSM	w.o.v	w0.0	<i>w</i> → <i>w</i>	<b>.</b> w	1.6	2.1	36
	E OR NOF	MS.	707	000	000		2.8 2.1 21	1.5	39
89 18	URRENC	MSS.	0.1.1	000	 	044	1.8 1.8	1.1	29
TABLE	VS DCC	S	44.5	101	4-4	9 8 0	1.2	2.5 19	45
	DIRECTION VS OCCURRENC WITH VARYING VALUES	SSE	4.00	10.1	40.4	4 	4.0	1.4	29
	10	SE	04.4	000	.1.9	1.1	1.4	1.5	9,4
	OF WIND	ESE	440	400	71.7	000	1.0	1.1	38
	FREQ	w	04.	40.1	1.0	1.0	1.7	2.5	7.6
	PERCENT	ENE	4.6.10	1.1	40.4	r.00	1.0	พ่ำเก	36
1970	α.	Ä	604	0.1	m 4 v	4.00	1.7	.1 1.7 13	59 8.2
1904-1970		NNE	w 0 0	w. <b></b> w	1.2	641	2.2	-1887	50
(PRIMARY) (OVER-ALL)		z	444	400	440	1.1	3.2	2.8 2.8 21	75
			PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TDTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PEK1001		VSBY		1/2<1 M	1<2 NC	2<5 N(	5<10 NF	10+ PC	=-

MARCH

			ο.	4444	ननक	440	16477	48010 8000	101 121 22	100
			TOTAL	114	W W D D 4	. 7 4 4 4 1 1 0 6 4 4 4 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9	15 42 73 188 188	13 93 14 15 15 15 15 15 15 15 15 15 15 15 15 15	25 111 136 79 351	1005
			CALM	• •	• •	4 4		• -	œ o	28
	U -180E		VAR	00000	00000	00000	00000	00000	00000	00.
	ATTU 172-18		Z	000.	00044	~~~00	1.000	0444	0 4 4 4	4.
	0010 5N		Z	00011	00011	4444	1.0.1.6.1	6.00	w 0 1 0 8 1	70
	AREA 51-5	۵	3 2	coura	00044	-40040	444 <b>40</b>	0.04.0	111101	33
		ID SPEED TY	3	00000	00-44	00440	0,000	4	10400	7.7
		VS WIND SIBILITY	M SM	01010	00000	00019	04-40	0,000	22112	5.3
		CTION OF VI	NS	00.00	00000	00000	04444	~	4 w 0 w w	5.3
H	ه س	ND DIRE	NSS	00-0-	00000	0-140%	0 11 11 11	01.440	02801	36
MARCH	TABLE	AF WI	S	0,000,0	1010W	0-1442	W4400	01.040	100 m W	6.0
		T FREG WITH VA	SSE	0,0,0,0	00-10-	0.0.0.0	0 14 4 10 10	04440	04440	3.36
		PERCENT	SE	0,40,0	00000	0044	7.180.60.10	2	2,25	7.7
		•	ESE	0.176.9	00116	00000	00000	0 0 0 0 0 4	04444	4 4 00
			w	00147	0.100.1	0 4 4 4	2.0.0.0	0,440	48969	139
			ENE	0.1.4.0	0,44,00	00004	0111.0	0.4.0.4	00000	51
	944-1970		N E	0-10-4	70051	00040	04474	04871	1.01	86 7.9
			N N	000000	00,000	22.50	1.1	1:10	0 1 1 4 0	67
	(PRIMARY)		z	0	00100	00040	00400	12194		106
			SPD KTS	0-3 4-10 11-21 22+ TUTAL	C-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
	PERIOD:		VSBY (NM)		1/2<1	142	2<5	5<10	100	

									AND/OR	TOTAL OBS	128	130	121	134	\$13 100.0
ATTU 172-180E		TOTAL Obs	132	133	127	136	528 100.0		SBY (NM)	NH <5/8 AND 5+	15.6	22.3	17.4	14.9	90 17.5
		NH <5/8 TO ANY HGT O	17.4	24.1	22.0	22.1	113	12	OF RANGES OF VSBY (FEET, NH >4/8), BY	1000+ AND5+	54.7	47.7	37.2	0. 4	236
AREA 0010 51-55N	), AND		82.6	75.9	78.0	6.77	415 78.6	TABLE	_	<1000	29.7	30.0	45.5	41.0	187 36,5
	>4/8	TOTAL					~		FREQ	<b>6</b> 000	4.6	10.0	17.4	0.5	58 11.3
	(FEET,NH >4/8),AND HOUR	8000+	3.0	•	•		n o.		CUMULATIVE PCT FREQ CEILING HGT	<150 <50YD	6.3	4.6	10.7	6.0	35
	S eo	6500	ω.	0.	•	.7	w 3.		JMULAT	HOUR (GMT)	60300	60390	12615	18621	T01 PC1
10	NG HEI	5000		2.3	3.1	•	1.7		ฉ	_					
TABLE	ENCY OF CEILING HEIGHT OCCURRENCE OF NH <5/8	3500	14.4	14.3	11.8	13.2	71				m	0	_	ı.•	<b></b>
	ICY DE	2000	31.1	26.3	25.2	19.9	135			TOTAL OBS	128	130	121	134	513 100.0
	FREQUENCY DF DCCURREI	1000	18.2	19.5	19.7	27.2	112		BY HOUR	10+	39.8	41.5	25.6	32.1	34.9
	EN T	666	4.5	6.3	3.1	8.8	31 5.9		(NM)	5<10	34.4	35.4	33.9	35.1	178 34.7
	PERCI	300	1.5	1.5	2.4	.7	1.5	TABLE 11	FREQUENCY VSBY	2<5	11.7	14.6	18.2	16.4	78 15.2
		150	•	•	0	•	00	7	UENC	1<2	6,3	2,3			44,
70		149	1.6	5.3	11.8	9.9	417.8						14.9	11,2	
1944-1970 1904-1970		HOUR (GMT)	60300	60390	12615	18621	TOT PCT		PERCENT	1/2<1	2.3	2.3	2.5	2.2	12 2.3
		₹5	8	90	12	16				<1/2	5.5	3.8	5.0	3.0	4.3
(PRIMARY) (OVER-ALL)										HDUR (CHT)	£0300	60390	12615	18621	TOT
PERIODI															

		<b>a</b>	VAR CALM		.0					7		œ	N TOTAL					
		BY TEMP	3	0		•	9.0		89	2.0		BY HOUR	) MEAN				68	
		DIRECTION	3	0	1.2	* ^	. 0		64	7		HUMIDITY 6	90-100	52.	48.	41.	57.4	200
ATTU 172-180E	14		N	2	1.2	<b>.</b>	۰.	0	53	4	16		80-89		•	•	27.3	۲
4 4	TABLE ;	OF WIND	s	0				0	41		TABLE 1	RELATIVE	40-79	10.6	14.9	17.2	12.6	7.3
AREA 0010 51-55N		FREQUENCY	SE	2	4.1	<b>.</b>				3.1		OF.	69-09		•	10.3	2.7	C
			ш	4	2.0	. c	4	٥.	120	21.2		FREQUENCY	30-59 6	9.	1.1	o.	•	(1)
		PERCENT	Ä	0	4 4	•	? -:	4	20			PERCENT !	-29 3(	0.	•	•	•	0
	4=		z	0.	0, 4		2.7	.2	80	14.2		PE	0	0000	60390	12615	18621	T01
		-	FRE	7.	17.0	9.0	6.9	10	8									
		TOTAL	088		96				_			HOUR	TOTAL	316	308	166	310	CC
		TEMP	90-100	•	٠ د د د	1.77	4.8		584	52.0		F) BY H	MEAN TO		2	m	33.9	•
		8 ¥	68-08	۲.	4.0	7.7	1.9	0	172	30.4		(DEG	MIN	m	m	m	23 3	m
		HUMIDITY		•	0.0	0 "	2	•	73	12.9		OF TEMP	18	25	23	23	23	23
	TABLE 13	RELATIVE	30-39 40-49 50-59 60-69 70-79	0	: ·	0.1	0	•	23	4.1	15		*	27	97	27	97	27
1944-1970	T.		50-59	0.0	~ ~		•	0	~	£.	TABLE 1	PERCENTILES	20%	36	35	34	34	3
		FREQUENCY OF	65-05	0	o c		•	•	0	•	_	AND	95%	43	41	39	0 ;	41
(FRIMARY)				0.0	•		•	0	0	•		MEANS, EXTREMES	<b>366</b>	44	55	0	7	42
		PERCENT	0-29	•	•	•	0	•	0	•		EANS, E	W A X	45	45	45	45	40
PERIODI			TEMP F	65/65	40/44	10/34	5/29	0/24	DTAL	PCT		Ī	HOUR	60300	603	£15	621	10

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AREA 0010 ATTU 51-55N 172-180E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

FOS	00000000000000000000000000000000000000
¥ 0 0	000000004447504000000
101	115 00.0 112 120 120 120 120 120 120 120 120 12
4 4 8	040020000000000000N4
144	7,5000000000000000000000000000000000000
37	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
33	W N F 4 4 4 N H H W W W W W W W W W W W W W W W W W
29 32	11 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
25	www.
21 24	1 Z
AIR-SEA TMP DIF	9/10 7/8 6 6 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

	80E			TOTAL	<b>o</b> -	4 16	٠,	M	-	4	0	7	m -	* (	0	• 0	0	a	0	0		54	13.4		TOTAL	7	M	7	0	•	- <b>1</b>	• 0	• 0	0	0	0	0	0	0	0	<b>-</b>	0	17	9.5
	ATTU 172-18			+ 8 +	o c				•		•			o c			•					-	•		+8+	o.	•	•	0	o.			2 0	0	0	•	o.	°	•	•	•	•	0	•
	A 0010	(FT;	N	4-4	o c	•	•	•	•	°.	•	•	•	7.7	•	20	•					'n	2.8	SE	4-4	•	•	•	ô	• •	•			0	•	•	•	•	•	0,0	9 9	•	٥	•
	AREA (	IGHTS			0,0	• -		•	•	1.1	0.	•	1.1			•				0	•		5.0		22-33	•	°.		•								c.				9 9	•		2.2
		SEA HE		11-21	•	•		1.7			•			•							•		3.0		11-21	•	1.1	•	•	7•7			•				•	ó		•		•	•	3.4
		VERSUS	,	<b>6-1</b> 0	•							•		•							•		1:1		4-10	•	•	2.8	•	· ·	•						•	•		o c		•		3.9
H)	E 18	DIRECTION			•	•			•		•	•	•		•						•	0	•		1-3	•	0	•	•	9			0			•	•	•	•		•	•	0	•
MARCI	TABLE	(KTS) AND	į	TOTAL	<b>.</b>	40	<b>-</b>	7	'n	∞	M ·	4.	→ (	90	• 0	0	0	0	0	0		10	20.7		TOTAL	<b></b> 4 ·	-4	•	۰ م	4 4	<b>+</b> (*	~	ı	0	,-4	0	0	0	0	00	• •	0	54	13.4
		SPEED	(		9 0				•			•		9		ó	•	•	•		•	-	•		48÷	•	•	•	o c		•					•	•	•			•	•	0	•
		OF WIND	,	34-47	•		•	•	•	•	9	•	•	•		•	0	•		•	•		1.7		34-47						9 9										•	•	7	1.1
		T FREG	•	22-33	•	•	•	2.2	•	1.7	•	1.7	•	•		•	•	•	•	•	0	→	6.7		22-33	•	•	•	2.2	•		•	0	•	0	•	•	•	0	•	0	•	11	6.1
	02	<b>Q</b>	;		9		0	•			•	•									•	-4					•				9				•						•	•	_	3.9
	1963-1970		•		-					0		ė								•			Ø.			•	•		•			0									•	0	4	2.2
	MARY)				9 9																	0	o.		1-3																•	•	0	•
	COVE		Ċ	<u> </u>	;;	3-6	ı	~	8-0	10-11	12	7 7	7 6		6-3	3-4	1-4	9-6	1-7	1-8	87+	- 1	Ų		12	₹.	7-7		1 1			12	3-1	7-1	0-2	3-5	6-9	3-6	7 - 7	7=0		87+	-	C

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PERI

																							GRAND	-	13	36	<u>.</u>	15	27	•	67	, :	•	0	0	0	0 (	<b>&gt;</b> c	<b>o</b> c	170	100.0
w		TOTAL		-	7	M	<b>10</b>	۰,	→ <	<b>&gt;</b>		~	0	0	00	0	0	0	0	13.4	•		TOTAL	7	7	<b>М</b> -	<b></b> -	• ~	~	0	<b>→</b> (	<b>&gt;</b> M	0	0	0	0	<b>&gt;</b> 0	<b>&gt;</b> C	<b>&gt;</b> C		4
ATTU 172-180E		<b>48</b>			•	•	ဝ့	•	•	÷ c		•							0,0	<b>5</b>	•		+8+	•	°.			•			o c	• •	•	0		o c		•			•
AREA 0010 51-55N	FT)	SW 34-47	•	۰.	•	•	•	•	•	•		::							o.		•	1 Z	34-47	•	•	o.	•	•	•	٥.	o c	1.7	•	•	o.	•	•	•	2		1.7
ARE 51	IGHTS (	22-33	•	•			o c			• -	• •		0	•	9	•			•	2.2	•		22-33							•	• •	. 0	•	•	•	o c	•	2			1.7
	SEA HE	11-21	•	9.	•	1:1	•	•	•		•	•	•	o c	•	•	•	•	•	5.0	•		11-21	•	•	1.1	0 4	•	•	•	•		•	•	•	o c	•	•	•	6	2.8
	VERSUS	4-10	•	•		•	2.2					•							•	4	•		4-10	•	1.1	•	9 0		•	•	o c					o c		•			1.7
MARCH Able 18	DIRECTION	1-3	•				o c				•	•	0.	•		0	•		o c	9	•		1-3	•	0.	•	•	•	•	•	•	9	•	•	•	o c				-	•
MARC	(KTS) AND	TOTAL	0	<b>-</b>	~	m ·	• •	<b>4</b> r	۰ د	0	0	0	Q (	0 0	0	0	0	0	0 0	10.6			TOTAL	0	~	٥	<b>)</b> (	0	2	-	<b>\$</b> C	<b>~</b>	0	0	0	0 0	o c	o (3	0	16	
	SPEED	484	•	0	0	•	0 0	2 9		9					•		•		o c	•	1		48+	•	•	•										0 0			3	0	•
	OF WIND	24-47	•	•	•	•	•	•	2 6	90	•	•	•	•	•	•	•	0	0.0	•			34-47	•	•	•	? 0	•	•	•	•	•	•	•	•	•		0	0	0	•
	T FREG (	S 22-33	•	• ·	•	•		•	2 0	0	0	0	0,0	9 6	0	0	0	0	• •	2.2	+	*	22-33							•						0,0		0			3.9
0,	2		•	•	- · ·	•		. 4	?			·						•	• •	5.0			11-21		٠			•			• •			•		0 0					4.5
1963-1970		4-10	•	•	8.0	•	9 0	9	0	0	•	0	0,0	• •	•	•	0	o c	•	3.4			4-10	0.	•	•	•	•	•	o c	9	•		•	٠. د	• •					2.2
MARY) R-ALL)		1-3	•	o ·	o.	0.0	9 9		0	•	•	•	o c	9 6	•	•	•	o e	•	·			1-3	0.0	o c	•	•	0	•	ė.	•	•	•	•	•	9 6	C	•	•	0	•
OD: CPRI		HGT	₹	1-2		010	- 1	10-11	12	3-1	7-1		3-2	310	1-4	9-6	1-7	1 - 8	TOTAL	PCT			H61	₹.		1 1	-	8-8		71	7-1	0-2	3-5	6-9	3-6	09-04	]	1-8	87+	-	U

ATTU 172-180E																							
AREA 0010 51-55N																							
		TOTAL	24	13	39	15	30	15	22	•	19	5	11	0	0	0	O	0	0	0	0	199	100.0
	(FT)	+8+	•	•	0	•	0.	•	• 5	0.	•	.5	•	•	•	•	•	•	•	•	0.	7	1.0
(L)		34-47	•	•	•	•	•	•		.5	2.0	0	5.0	•	•	•	•	•	•	•	•	16	8.0
TABLE 18 (CONT)	(KTS) VS SEA HEIGHT	22-33	•	•	1.0	3.5	4.5	2.5	6.9	1.0	5.5	2.0	s.	•	•	•	•	°.	•	•	•	54	27.1
TABLE	(KTS)	11-21	•	3.0	6.9	3.0	8.5	5.0	3,5	1.5	1.5	•	•	•	•	•	•	o	9	•	•	65	32.7
	SPEED	4-10	1.5	3.5	12.1	1.0	5.0	•	•	•	•	•	•	0	•	•	•	•	•	•	•	41	50.6
	MIND	0-3	10.6	•	•	•	•	•	°	•	•	•	•	•	•	•	•	•	•	•	•	21	10.6
		НСТ	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17.19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	<b>87</b> +	TOTAL	PCT
1963-1970																							
PERIOD: (PRIMARY) (OVER-ALL) 1963-1970																							
PER 100 :																							

TABLE 19
PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

	MEAN	HGT	• •	<b>0</b> 0	11	13	12	0	5	
	TOTAL	59	92	103	13	7	7	141	422	100.0
	+18	0	?	•	•	•	•	•	0	•
	71-86	0	9	•	0	•	0	•	0	•
	49-60 61-70 71-86	•	0	•	•	•	•	•	0	•
	09-65	0	0	•	•	0.	•	•	0	•
	13-16 17-19 20-22 23-25 26-32 33-40 41-48	0	•	•	0	•	•	•	0	•
E HETONI IT I TO MAYE PENIUU (SECUNUS)	33-40	•	0	•	·	•	•	•	0	•
0014	26-32	0	•	•	•	•	•	Ç.	0	•
A	23-25			•						
2	20-22			1.9						
	17-19			.7						
•				5.6						
5	12	0								
TENCENT TREADUNCT OF	10-11	•2								
	8-9	6.	2.1	5.6	•	.2	2	7.	28	9.9
3	7	1.2								
	5-6	2.6	5.6	5.6	•	•	•	•	33	9.
	3-4	4.3								_
	1-2	4.0	.7	2.4	ò	•	•	0	30	1:
	₽	• 5					-		-	
	PERIOD	(3EC)	2-9	6-8	11-01	12-13	×13	TADE	TOTAL	

			TOTAL OBS	53 30	6.63	ው ጠ i	12 EN	69	2 9	102	105	4	37	0	. d	•			TOTAL OBS	;	210	202	221	100.00	•
	.U -180E		_ 5 4		200			•		•	0 4	• •		•	3.2	•			NA NO SIS WEA		0	90.0	7	612	•
	3010 ATT	Z	R WEATHER PHENDMENA SMOKE DUST NO HAZE BLWG DUST SI BLWG SNOW WE	00	000	. 0	• •	0.0	• •	0	0 -		•	0	• -	•:			THER PHENOME DUST BLWG DUST BLWG SNOW		•	• •	<b>.</b> .	<b>-</b> 1 -7	:
	AREA (	IRECTION	S WEAT	0.4	•••	• •	•••	0	70	•	- 0	. •	<b>∹</b>	•	0.5	1.2		HOUR	WEAT HOKE HAZE	٠	•	1.5		֡֡֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֡֓֓֡֓֡֓֓֓֓֡֓֡	•
		WIND D	DTHER FOG SI WO I		0.1	1 89	<b>•</b> -:	6	٠,٠	7	ė c	•	•	•	0.4	5.7		₽¥	OTHER FOG SI WO PCPN		•	. W	•	5.6	•
		₩	THOR	•••	00	90	• •	٠.٠	0	0	0,0	?	•	0.	·-	٠.;		OCCURRENCE	THDR	•	o c	20	5	<b></b>	
_	-	OCCURRENCE	TOTAL PCPN OBS		200	120	<b>o</b> , 0,	22			<b>→</b>		60	0	184	•	2	WEATHER O	TGTAL PCPN OBS		9	2 6 7 6	64	184	
APKIL	TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME	1,2	1.9	. 4.		2.6	7.1	m :		0	6.	•	ŗ	21.7	TABLE	8	PCT FREQ PCPN AT JB TIME		→ •	14.41	. ~	21.5	
		REQUENCY C	HAIL	00	000	•••	90	0.0	•	0.0	9 9	? ?	•	•	o c	•		FREQUENCY	HAIL	•	o c	•	0	0 0	
		Œ	TYPE OTHER FRZN PCPN	00		000		•	•	0.0	•	•	•	0.0	•	·		ERCENTAGE	TYPE OTHER FRZN PCPN	•		•		00	
		ENTAGE	SNOW (	1.2	1.4	1.1	, ~	۲.	N	•	1 -	•	•		• 0			PERCE	SNOW C	-	0.11		10.9	103	ì
		PERC	RECIPI FRZG PCPN	000	• • •	• • •	0	o c	0	•	•	•	·	•	20	•			RECIPI FRZG PCPN				•	00	•
			DRZL	00.	-:-:			1.1		2,0		7	•		. 0				DRZL		•	9.0	4.1	4.0	
	-1969 -1969		RAIN	000	004	•	? ?	-: 0	. 0	o c	? ~	0			••	.7			SHER		, 0	0.1		۰.	
	1944		RAIN	0.1.						<b>"</b>					• 4				RAIN	7.1	• •	1.5	• <	5.1	
	(PRIMARY) (OVER-ALL)		WND DIR	Z Z Z	N N N	ESE	SSE	S S	. 3. 3. 3.	ESE	E Z	Z	3 Z	\$ :	01 0B	-			HOUR (GMT)	50300	60300	12615	18621	- LO	
	PER I OD 8																								

		21	11.0							•	2.9	•			
		18	42.		7		0 6			•		0		21	N►®♥○@®N○®NO
'U '-180E		15		18. 6.9	• • •	18.0		9			0			18	6 10 10 10 10 10 10 10 10 10 10 10 10 10
10 ATT		R (GMT)	24.0		S		9 6	•	• •	•	5.0	•		15	22.50 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00
REA 001( 51-55N		HOUR Co	2.3							•	9.6			HT)	
∢	HOUR	90	2.7	w 4 m	้ดัง	٠,٠	90	14.	÷	'n	4.	100		HDUR (G	
	AND BY H	0 03	9 9.1	<b>.</b>	•	• •	• 6	0 0	18	•	• •-	100		%	10.00 10 10 10 10 10 10 10 10 10 10 10 10 1
	SPEED AP	ŏ	72.0					•			4.6			60	18.2 9.1 9.1 18.2 18.2 10.00
	ION BY S													00	111.9 9.9 9.9 111.2 17.6 17.6 10.0 10.0
m	DIRECTI	MEAN	111.5		500	. 6		5	'n.	•	9.5	1	3A		
TABLE	NIN	PCT	7 mm						•		3.6	0.00	TABLE	MEAN SPO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	ENCY DE	TOTAL	209	400	989	7.0	~ ~	143	80	70	1192	;		PCT	11.1 10.0 11.2 11.2 11.2 100.0
	FREQU	<b>48</b>	000			-:0		4-		0.0		6		TOTAL OBS	132 100 1190 163 194 209 134 192
	ERCENTAGE	34-47		0 7 7		æ. •	٠.9	60 4	· ·	- 0		4.8		<b>41</b>	11
-1969 -1969	PER	EED (KNOT) 22-33	1.1			1.4	• •		•		· ~	18.9		(KNDTS) 28-40	101 10 148778980 49
1944-1 1902-1		IND SPE 11-21	11.6		9.00			• •	•	• •	26	35.7		SPEED 17-27	7114440NW WB WG0NWWO40 40
RIMARY) JVER-ALL)		4-10		121	• •	1.	• •	•	•	• •	- 10	30.1		HIND 7-16	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
50		0-3	1.10					6.0		10		•		9-0	00000000000000000000000000000000000000
PERIODI		WND OIR	Z Z Z Z	E E E	SS G	SSE	E SE	3 Z	Z	X X X	CALM	-		WND DIR	CALARE TO PCT

												TOTAL	80	40	18	23	32	77	22	52	53	φ φ φ	9	47	0,4	31	0 8	62	100.0
										>4/8)		NH <5/8	ANY HGT	۲.		.7			•			3.6	0.4	1.7	1.4	1.0	o c	. 4.8	20.8
ATTU 172-180E										(FT.NH >	NOI	80000		0,5	0	•	- '	0 -	•	0	•		? -	0	•	-	•	* -	1.6
											DIRECTION	6500	666/	o c	•	0.			•	0.0	•	•	0	•	•	•	•	. r	
A 0010										G HEIGHTS	MIND	5000	6649	•	•	• 1	- (	• -	0	7.	, c	. 4		•1	.3	4.	0,0	5.5	2.4
ARE.		OTAL 08S	323	321	212	66				CEILING	<5/8 BY	3500	4999	1.1	. •	6.	•	6.		6.	0.7	3.0	2.3	1.6	1.1	1.0	•	122	17.5
	£	_ ~				-	•		TABLE 6	CY OF	OF NH	2090	3499	2.9	. m	1.7	•		4	2.7	7.7	2.6	2.7	1.6	1.0	1.0	91	174	25.0
	R (GMT)	PCT	100.0		7 -	•	100.		TA	FREQUENCY		1000	6661	1.7	•		•		•	1.7	0 .	0	2.2	4.	1.6	•	•	130	20.0
	BY HOUR	MEAN	14.1	חח	- 4	r					OCCURRENCE	900	666	0,1	, m	•	•	• •	0	e.		. 4		•1		•	•		3.3
4	SPEED	CALM	4.3	5 K		43	3.6			PERCENTAGE	AND O	300	566	0	::	0		0	· "	0,0	• -	: -:	0			•	0 0		2.0
TABLE	S QNIM	KNOTS)	0,0	Ĵ. C		4				P		150	9	• •	•	0.	0.0		0	•	•	. 0	•	۲.	0	0	٠, c	• -	٠.
	NCY OF	SPEED (	3.4			57	4.8					000	641	- 0	•	• 1	7.7	. 4	•	1.0	•	<b>.</b> -	9.	6.	•	0	٠ د	• 4 • 1	6.8
	FREQUENCY	WIND 22-33	16.7	<b>⊸</b>	J R	1 0	18.9																						
	PERCENTAGE	11-21	35.3	· ·	•	42	•			(EIGHTHS)		MEAN LOUD	Y EX	7.2	• •	•	•		•	•	•			•	•	•	•	2.9	•
	PER	4-10	31.6	•	, ,	35	•					OTAL CI	د	4 ¢ ¢	18	23	20	32	22	52	0 0	9 6	89	47	0 6	31	٥٥	969	
		1-3	7.7	0	7.5	78	6.5		•	AMDUNT	DIRECTION	۲	<b>.</b>	<b>س</b> س	0	~	• 0	4	9	~ ~	1 4	m	0	0	41	n (			
4-1969 2-1969		HOUR	60300	50.00	35.21	TOT	L)		TABLE	CLOUD		3 8 6	200	40		~ .	<i>,</i> ,	ım	7	•	ר ת	14	9	m	2.	-	"	30	57
1944.		-	8	5 -	7		_			TOTAL	BY WIND	5		-	• •	•			•	•	•	10	•	•	•	•		• 0	27.
(PRIMARY) (OVER-ALL)										0 DF		3-4		7.7	0	•			4.	w 4		• •	2.6	•	•		<b>0</b> "	72	10,3
										CT FRE		0-5		7.	4	9,0	0 -	: -:	7.	-:-	: -	• •	9.	-:			0,1	32	4.6
PERIODI										29		WND DIR		ZZ	W Z	ENE	בי ה	SE	SSE	S	300	ESE	*	XXX	Z	E C	X 4 - 4	07 OE	TOT PCT

						APRIL					
PERIODI	PERIODI (PRIMARY) (OVER-ALL)	1944-1969 1902-1969				TABLE 7				AREA 0010 51-55N	ATTU 172-180E
			NO O	CUMULATIVE PCT FREQ OF CEILING HEIGHT	ATIVE PCT FREG CEILING HEIGHT		LTANEDUS 8) AND V	DF SIMULTANEDUS DCCURRENCE (NH >4/8) AND VSBY (NM)	NC FE		
						JSBY (NM)					
		CEILING	• 08	<b>=</b> 08	- 0R	* 08	80	• 0R	• 08	80	
		(FEET)	>10	<b>^</b> 2	>5	7	>1/5	>1/4	>50YD	<u>^</u>	
		- OR >6500	1.0	1.7	1.9	1.9	1.9	2.0	2.0	2.0	
		■ DR >5000	1.7	4.0	4.3	4.3	4.3	4.4	4.4	4.4	
		■ DR >3500	7.3	18.7	22.1	22.3	22.3	22.4	22.4	22.4	
			15.3	38.0	44.9	45.6	46.6	46.9	47.1	47.1	
		■ OR >1000	20.0	53.4	63.3	9.49	66.1	66.7	67.0	67.0	
			22.0	55.9	0.99	67.4	4.69	70.0	70.3	70,3	
			22.4	57.0	67.7	69.1	71.4	72.0	72.3	72.3	
		• OR >150	22.4	57.0	67.7	69.1	71.6	72.1	72.4	72.4	
		• 0x > c	23.3	58.7	70.0	71.9	75.3	77.0	79.1	79.1	
		TOTAL	163	411	064	503	527	539	554	554	
		SARC IIC GORNIN INTOL	יקט ינט	700	c	۵	PCT FRED	. 8/8/ HN	000		
		1.): ( ).	(1)		>				N ? > J		

TABLE 7A
PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TOTAL	146
082.0	4.9
60	44.9
7	7.9
•	13.9
10	6.7
4	5.1
6	6.7
2	5.5
-	1.1
0	2.0

TABLE 8 APRIL PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1902-1969

AREA 0010 ATTU 51-55N 172-180E

	PCT	4 8	41.0	91.2	7.9	6.5 35.3 41.8	1.9 29.9 31.8	100.0
	TOTAL	354	24 12 36	14 14 14 14	67 55 122	9 05 1 9 5 6 1 5 6 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6	16 255 271	852 1
	CALM		101	000	10 ⊶	1.9	1.6.1	32
_	VAR	000	000	000	000	000	000	00
TATION	Z	000	1.0.1	000	444	1.3	2.2	37
PRECIPITATION	Z	101	000	•••	1.26	2.0	2.92	5.6
8	3 2 3	000		-10-	20,0	2.1	25.5	5. 6.3
URRENC	3	44.5	40.4	4.4 W	0 W 0	4 4 to 4	4 10 4	105
ISIBILITY	ESE.	101	000	10.6	1.88	5.52	3.1	101
۳. د ۲	M S	040	0,00	-i,m	87.5	2.5	2.1	56
OCCURRENCE (	SSW	44	0	404	2.5.5	2.6	2.5	61
DN VS OCC Varying v	S	oon	246	971	6.4.1	2.5	1.6	89.0
T.T.	SSE	000	40,0	404	400	11.1	0.0	25
DIK	SE	044	W 0 4	-0-1	400	1.2	1:1	36
OF WIND	ESE	4-14	\$ W &	000	4 0 00	1	04 m	33
FREO	ш	7.00.0	W 0 4	202	1.2	1.4	 ⊶∞∞	50
PERCENT	ENE	0	000	707		NW 0	1.1	28
۵.	N M	000	000	200	9 O M	1.5	.i.v.rv	34
	NNE	011	0.1.7	0.1.1	440	1.2	1.2	30
	z	000	0	0-1-1	vi 4 m	1.1 2.8 33	1.6	6.9 4.0
		PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	TOTAL PCT
	VSBY	<1/2	1/2<1	1<2	2 < 5	5<10	10+	

			PC	44 4	4 40	4-6	~~~~	411100	46404	100.0
			TOTAL	4 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	112 10 20 43	6 8 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27 62 62 151	134 132 130 130 130 130	135 135 60 412	1187
			CALM			• •	1 1	2.0	1.3	3.6
	U -180E		VAR	00000	00000	00000	00000	00000	00000	00
	ATTU 172-1		Z	00	000-	00000	00447	w 1- w w 2	22.50	52
	0010 55N		2	00000	00000	00000	01214	2.000000	1	82 6.9
	AREA 51+5	۵	NN	oonon	00110	00011	00111	750.00	00000	66 5.6
		ID SPEED TY	3	0.0.0	00-10-	ovown	01442	40000	25.53	142
		VS WIND	MSM	0004-	••••	00444	01463	22.70	29.7.60	115
		TION OF VI	S	outow	00114	00144	0.14.1.1	4.5.2.5	1.1	78
11	6	D DIRE	MSS	04.04	00011	00707	02595	2.98.5	23.50	72 6.1
APRIL	TABLE	OF WIND C	S	-4400	04440	<i>~~~~~</i>	0.1,000		1,6,6,6	89
		FREQ ITH VA	SSE	00,004	00040	00000	00000	00000	0.4465	35
		PERCENT	SE	0,000	00044	00,00	0,0,0,0	48777	46.440	5.3
		α.	ESE	01104	0.4.4.0	00100	00,000	0 4 4 4 0	44444	9.4
			w	onwoo	04001	0-0-4	14676	1.2 1.2 1.2 72	45.64.5	78
			ENE	0.10.10	00000	000	000000	0 4 4 4 8	2000	34
	1902-1969		NE E	00000	00101		04442	1.6 9.1 4.1	87.406	66 5.6
			NNE	0110~	00044	00-0-	01040	0,000	167.14	3.4
	(PRIMARY)		z	0,0004	0.00.44	00404	40,000	W 00 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1.2	92 7.8
	-		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	CTAL PCT
	P <b>E</b> K I OD 1				1/2<1 4	<b>6</b> 2 0 1 4 0 1 4 0 1 4 0 1 4 0 1 4 0 1 4 0 1 4 0 1 1 1 1	2 <b>&lt;5</b> 4	5<10 4 2 2	4	-
	_		VSBY	\$	1/1	<b>X</b>	7	ň	2	

ATTU 172-180E		AL S	176	182	181	167	90
ATTU 172-		TOTAL GBS	7	7		-	706
AREA 0010 51-55N		NH <5/8 ANY HGT	22.7	19.2	26.5	16.2	150
EA 0	Š						
A N	>4/8),A	TOTAL	77.3	80.8	73.5	83.8	556 78.8
	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	<b>8</b> 000+	2.3	2.7	•	1.2	111
	HTS (FI	6500	•	1.1	•	•	m ."
10	IG HEIG NH <5/	5000	1.1	3.3	2.8	2.4	2.4
TABLE 10	CEILINICE OF	3500	22.7	17.0	15.5	16.2	126 17.8
	CY OF	2000	23.9	27.5	22.1	25.1	174 174 1
	REQUEN	1000	18.8	4.9 19.2 27.5 17.0	3.3 16.6 22.1	24.6	23 139 3,3 19,7
	CENT	009	1.1	4.9	3.3	3.6	3.3
	PER	300 599	3.4	1.6	•	2.4	2.0
		150	0.	•	•	•	٦.
1969		000	4	3.3	11.6	4.8	8.0
1944-		HOUR (GMT)	60300	60390	12615	18621	T07
ERIDD: (PRIMARY) 1944-1969 (DVER-ALL) 1902-1969							
ER I 00 :							

											11000	,		
		PERCENT	PERCENT FREGUENCY VSBY	ICY VSBY		(NM) BY HOUR		CUMU! AT	IVE PCT CEILIN	FREQ G HGT	OF RAN	SES DF NH >4/8	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	AND/OR
HOUR (GMT)	<1/2	1/2<1	142	2<5	5<10	5<10 10+	TOTAL DBS	HOUR (GMT)		<b>6</b> 00 <b>1</b>	<1000 <5	1000+ AND5+	<pre>&lt;150</pre>	TOTAL OBS
60300	3.5	5.5	1.7	9.5	40.5	40.5 39.9	173	60300	00603 4.6 11.6 22.0 57.2	11.6	22.0	57.2	20.8	173
60390	2.7	1.1	2.2	11.5	43.4	43.4 39.0	182	60390	6.6 9.3	7.1	7.1 23.1	58.2	18.7	182
12615	4.5	3.9	1.7	13.5	46.1	46.1 30.3	178	12615	12615 11.2 15.7 31.5	15.7	31.5	44.9	23.6	178
18621	4.8	4.2	1.8	15.0	41.9	41.9 32.3	167	18621	18621 8.4 13.2 31.1	13.2	31.1	53.3	15.6	167
TOT	3.9	3.6	13	86	301	301 248 700 43.0 35.4 100.0	700	T07	4 6	83	48 83 188 374 6.9 11.9 26.9 53.4	374	138	138 700

1944-1909 1902-1969
(PRIMARY)
PER I 00 1

			۵	VAR		0	0	0	0	0	0	•
			BY TE	Z		•2	1.8	7.0	4.5	•	72	, ,
			TION	*		4.						
AREA 0010 ATTU 51-55N 172-180E			DIKE	NS								
0 AT	TARIE 14	1 11	ON THE			8.						
55N	1		5	S		5.	m.	4	•	•	4	80
AREA 51-			AUENC.	SE		.5	3.0	6.4	.2	•	44	8.6
		TAN	TENCENT PREMUENCE OF MIND DIRECTION BY TEMP	ш	,	•	1.0	**		• ;	00	12.9
		0.00	2	NE	,	4 .		7.0	•	7.	00	12.9
				z	*		10			• 4	2	11.3
			PCT	FREQ	3.5	28.0	51.4	14.6	1.6	00.00		
			TOTAL	0 <b>8</b> S		148					•	
		BY TEMP		90-100	9	10.9	25.6	4.9	4.	225	0.64	
		_			• 2	0	11.5	•		134		
		HUM I D I	,	8 6/-0	2.1	5.5	8.2	1.8	9.	66		
	TABLE 13	ATIVE		/ 69-0	4.	3.7	4.3	•	•	46		
696	TAB	OF REL		0 66-0	•	₩.	1.8	•	•	13	2.5	
1902-1		UENCY	9 0 7 - 0	6 6410	.2	•	•	•	•	-	.2	
-ALL)		FREQ	4 05-0		٥.	•	0	0	•	0	0.	
(OVER-ALL) 1902-1969		PERCENT FREQUENCY OF RELATIVE HUMIDITY	0-20 30	68-08 67-07 60-08 60-06 45-05 75-05 63-86	0	•	•	0	0	0	•	
•		_	_									

TEMP F 45/49 40/44 35/39 30/34 25/29 TOTAL PCT

2890099

0000000

VAR CALM

	9		MELN		A A	9 0	10	87	85
	7110	1 0 1 1 0	90-100	)	6.44	41	38.5	47.3	226
91	TAIL A	100	80-89		22.8	27.2	20.5	29.9	135
TABLE 16	RE! ATT	SECTION TO THE SECTION OF THE SECTIO	70-79		20.3	18.5	15.4	16.8	94
	ENCY OF		69-09		10.8	9.3	12.8	6.0	46
	PERCENT FREQUENCY DE		30-59		1.9	4.0	12.8	·	14
	PERCEN		0-29		•	•	•	•	0
			HUUR	CHI	60300	60390	12615	18621	5
	F) BY HOUR	10141	78.0	200	410	116	607	1161	
		2		27 B		7.16	1.00	2000	
	PERCENTILES OF TEMP (DEG	2		27		- 10	17	27	i
	OF TE	*	•	77	2 0	, ,	27	28	i
	VTILES	28	2	31	-	, ה י	9 6	9 6	
	PERCE	50%		38	1	36	36	37	
4111	ES AND	95%					42		
7040	CAIRER	365		45	45	41	4.5	45	
MEANG	MEMINSSENIKERES AND	MAX		46	46	43	46	46	
		HOUR	(CMT)	60300	60390	12615	18621	TOT	

TABLE 15

TOTAL 08S 158 151 39 167 515

PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1902-1969

TABLE 17

AREA 0010 ATTU 51-55N 172-180E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

<b>3</b> 0	.2		• 5	1.7	3.8	2.7	7.0	6.1	14.1	7.2	4.6	9.2	5.6	7.3	4.1	7.5	2.8	6.	603	84.2
¥ 0.	•	•	.2	ű	.3	.2	9.	9.	1.6	•5		• 5	9.	• 5	•	•	•	•	37	5.8
T0T		n ·	7	13	56	18	49	43	100	64	62	95	49	48	56	48	18	•	940	100.0
4 4 N 60	17.		0	ů,	•5	•	•	•	•	0	•	•	•	•	•	•	•	•	٠	6.
41 44	0	Ċ.	r.	1:1	2.2	1.1	8	•	•	4	0	•	•	•	•	•	•	•	44	6.9
40	0.0	•	•	9.	1.7	1.7	5.6	5.3	11.3	4.5	3.0	2.7	w.	.2	٥.	.2	•	•	237	37.0
33	0.0	•	•	•	•	•	1.3	٠.	4.2	2.5	6.7	6.3	8.9	6.1	ů.	1.3	•	.2	246	38.4
32	•	2	0	•	•	•	•	•	.2		•	0	8	1.3	3.8	5.9	1.4	6	94	14.7
28	00	,	•	•	•	•	•	•	•	•	•	•	•	0	•	•5	1.4	5	13	5.0
AIR-SEA TMP DIF	9/10	0	0	n.	4	•	7	-	0	7	-5	-3	4	-5	9	8-//-	-9/-10	-11/-13	TOTAL	PCT

WIND

PCT FREG OF

TABLE 18

SPEED (KTS) AND DIRECTION VERSUS

ATTU 172-180E

AREA 0010 51-55N

TOTAL 6

520

SE 34

SEA HEIGHTS (FT)

PERI

***** 

																										GRAND	01	63	29	23	16	2 4	12	50	0	11	m ·	ın ·	0	<b>&gt;</b> •	0	<b>o</b> c	<b>o</b> c	281	•
	w			10 I A L	<b>&gt;</b>	80	~	7	0	*	•	•	n <	• -	• 0	0	0	0	0	0	0	4	15.3			TOTAL (	_	ø	*	0 4	n r	9 0	0	~	0	0	0	0	0	<b>o</b> (	9	<b>&gt;</b> C	• 0	20	· m
	172-180			+ 0	0		°.	•	•							•			•	•	•	0	•			+8+	•	•	•			•		•			•	•	• °	•	•			0	•
	1-55N	FT)		1	0	0.		•		•		*		1 7	•	0	o•	°.	٥.	0.	0		2.8	i		34-47	•	0.	•	•	•		•	4.	•	0	0	0.		•	•	•	0	7	4
	51-	IGHTS (F	Ç	c_7	0		•	•	•	•	•		•	. 0			•	•	°.	0.		~4	5.7			22-33	٥.	0	0.	o,r	•	1.1	•		°.	0	•	•	٠, c			9 0			2.8
		SEA HE	•	, ,	4	2.8			•	4.	•	•		2		•		•	•	•	•	-	4.6			11-21	•	.7	۲.	•	7.7	2.1	•	0	•			•	•					14	
		VERSUS	•		2.1	0.		•	•	•	0	0 0	•		•	•	•	°	•	•	•		2.1			4-10	•	1.4	.7	•	•	•	•	•	•		•	0 0	•	•		0	0		2.1
<u>ب</u>	18	DIRECTION	1-2		•	•	•	•	•	•	ė.	•	•	•			•	•	•	•	•	0	o.			1-3	•	•	•	•	•	•		•	•	•		•	•	•	•	0	•	0	•
APRIL	TABLE	(KTS) AND	1014	-	<b>o</b>	12	S)	2	~	•	m r	n 4	• •			0	0	0	0	0		^	18.1			TOTAL	0	Φ.		12		ı vo	7	7	0	<b>~</b> ,	→ 、	<b>t</b> (	<b>&gt;</b> C	<b>o</b> c	<b>o</b> c	• •	0	58	
		SPEED	484	•	•				o c		•					•			•		•	<b>-</b>	4			<b>48</b> +	•	•				•							•					-	4
		OF WIND	34-47	•	0.	•	4.	•	•	1.4	•	• •		4	4.	•	•	•	•	•	• :	→	9.6			34-47	•	•	•	•		•		4.		•	O	•	•			0	0	4	1.4
		FREQ	52-44	•	0	.7	ŏ.	0	•	*	* L	7.	• •	•	•	•	٠. د	•	•	•	• :		3.9	-	(	22-33	•	•	1.1	•	•	1.4	0.	•	•	4.	*		2 9					2	
	69	PCT		. •	1.8		•									•						V			•	11-21	•	4	•	2.5		4	4.	•	•	o c		•	•	9 0		•			
	1963-196			•	1.1			<b>.</b>					0			•					•		1.4		•	4-10		2.1	•		0					•			•	0	0	0	•	_	9.0
2	(1)		1-3	•	•		၀ ၀															0	•			E-1	•	4	•	•		•	•	•	•	•	•	•	•	0				1	4.
1007			HOH.	-	1-2	•		•	7 -	5 5	3-1	10/	0-2	23-25	6-9	3-4	1-4	0,	-1	1 6	- +	- (				HC.	₹.		4	-		10-11	12	3-1	7-1	2-0	2-6	3=6	41-48	9-6	1-7	1-8	87	-	U

ATTU	172-180E
AREA 0010	51-55N

	TOTAL OBS	35	99	59	23	31	10	56	11	20	6	11	6	\$	0	0	0	0	0	0	309	100.0
(FT)	484	•	•	•	•	٥.	0	•	•	0	0	£.	•	6.	•	•	0.	•	•	•	7	9.
HE I GHT	34-47	•	•	•	.3	•	.3	1.3	1.0	1.3		1.9	9.	1.0	•	•	•	•	•	•	25	8.1
VS SEA	22-33	•	•				1.6			5.5			6.	.3	•	•	•	•	•	0.	76	24.6
(KTS)	11-21	•	6.8	12.3	4.5	6.5	1.3	•	1.0	•	ć.	•	•	•	•	•	•	•	•	•	110	35.6
SPEED	4-10	1.9	12.9	5.2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	62	20.1
MIND	6-0	4.6	1.6	•	0.	0.	•	•	•	•	•	•	•	•	•	•	•	•	0	•	34	11.0
	нст	7	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25		33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

	HEAN	HGT	m	0	10	13	12	23	0	~	
	TOTAL		119	95	147	20	9	m	169	556	100.0
	+18		•	•	•	•	•	•	•	0	•
	71-86		•	•	•	•	•	•	•	0	•
	01-10		•	•	•	•	•	•	•	0	•
	49-60 61-70 71-86		•	•	•	•	•	0.	٥.	0	•
,	41-48		•	•	•	•	•	·	•	0	•
	33-40 41-48		•	•	•	•	•	•	•	0	•
	26-32		•	•	3.	•	•	•2	•	7	1.3
	23-25		•	•	1.3	٥.	•	•	•	7	1.3
	13-16 17-19 20-22 23-25 26-32		•	.7	1.8		4.	•2	•	20	3.6
	17-19		•	*	3.5	• 5	•	.2	•	22	4.0
	13-16		4.	1.8	3.6	•	•	•	•	35	5.8
	12		•	1.8	1.8	•	•5	•	•	21	3.8
	10-11		.7	3.4	1.6	1.4	4.	•	0	42	7.6
-	8-9		•5	2.2	1.3	4.	•	•	•	22	4.0
	7		1.3	3.8	4.0	.2	•	•	°.	51	9.5
	9-5		3.6	1.3	1.3	.2	•5	•	•	36	6.5
	3-4		7.4	6.	6.1	•2	•	0	•2	82	14.7
	1-2		7.4	*	•	•	•	•	•	43	7.7
	₽		5.	•	•	•	•	•	30.2	171	30.8
	PERIDO	(SEC)	9>	6-7	8-9	10-11	12-13	>13	INDET	TOTAL	PCT

			TOTAL	126	4 6	9.0	106	14	182	200	9 -	162	104	114	96	0	73	1751	·			TOTAL	468	425	4 1 2	458	1764	100.0
	ATTU 172-180E		HENA NO SIG	0 m c	1.4	6.0	9.0	5.6	8.0	9 4	5.50	7.4	5.1	4.9	4.1	•	3.4	1255	1.			HENA NO SIG	75.0	0.04	71.4	70.5	1266	
		z	HER PHENOMEN DUST N BLWG DUST S	000	•	0.0	•	•	٠.	•		•	7.	:	o.	°.	•	m	•5			WEATHER PHENOMENA SMOKE DUST NO HAZE BLWG DUST SI BLWG SNOW WE	•2			.2	m	•5
	AREA 0010 51-55N	DIRECTION	ER WEATHER Smoke HAZE BLY BLY	000	<b>.</b> "	4	• -	•	٠,	<del>:</del> -	: -	•	.2	•	:	o.	o.	19	1.1		HOUR		•	2.6	2	1.1	19	1:1
		WIND D	FOC PCPN	22.	* ~	10	ŧ •	.2	2,4	9 -	10	0	.2	4.	Τ.	?	6	160	9.1		æ	FOC WO	•		•	9.6	•	6.1
		<b>60</b>	THDR	000	•	0.0	ç	•	0.0	•	•	•	•	°.	•	•	•	0	•		OCCURRENCE	TYDR	0	C	0	•	0	•
	7	OCCURRENCE	TOTAL PCPN OBS	19	o eo	56	53	25	53	100	, ~	17	7	20	σ	0	භ	314		ы 2	WEATHER DO	TOTAL PCPN OBS	99	78	8	48	315	
MAY	TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME	1.1	. ·		1.7	1.4	9.0	0 4	4	1.0	4.	1.1	• •	•	5.		17.9	TABLE	7 OF	PCT FREQ PCPN AT OB TIME	4	•	6	18.3		17.9
		0	HAIL	000	•	4.	. :	•	•	•	•	÷	0	•	•	•	•	7			FREQUENC	HAIL	•2	2	0	•	7	••
		FREQUENCY	TYPE OTHER FRZN PCPN	-00	• •	•	•	•	•	•	•	•	•		•	•	•	<b>~1</b>	7			TYPE OTHER FRZN PCPN	.2	2	•	•	~ .	•
		RCENTAGE	SNOW C	-: ··	: :	<b>:</b> -	•	0	٠,٠	•	? -	•	•	•	•	•	•	7	9.		PERCENTAGE	SNOW (	•	.7	Ľì	1.3	11	•
		PERCE	RECIPI FRZG PCPN	000	. 0	0.0	•	•	•	9	•	•	•	•	•	•	•	0	•			RECIPIT FRZG PCPN	0	0	0	0	0	•
			DRZL	<b></b> u				•									•		•			DRZL	•	•	6	•	136	
	-1969 -1969		RAIN	0::-																		SHER					13	
	1944.		RAIN	97.4				•						9.			•	154	•			RAIN	•		•	•	155	•
	(PRIMARY) (OVER-ALL)		WND DIR	ш u Z Z Z Z	EXE	щ	SE	SSE	u vi	3	MSM	3	3 2 3	Z	Z	VAR	CALM	TOT 085	07 PC			HDUR (GMT)	Ų	<b>39</b>	261	862	TOT	٠
	PERIODI																											

		21	9.1			*		•	•			•	•		•	24	8													
		18	4.0 0.0	•				•			•	•	•		•	370	•			21	•		•	•	•	•	•		•	
1TTU .72-180E		15	6.4	•		•		•	•		•	•	•			11	•			8	.9	.2	.1	<b>س</b> (	7.8 11	•	٠. ٠.	•		370 2
0		(GMT 12	7.0	40		5	• •	7	5	. a	7.	ທໍາ	, ,	•	۶.	38	100			51		6.8	6.3	7.0	2.5	1 6	7	100	•	112
AREA 001		HDUR 60	2 10.3	, d	12.	•	* ~	8	6	•	0	ė	· •	•	9	22	00		:	21 21	•	7.5	4.0	4.0	13,2	100			•	385
	HOUR	0	6 8	9	9 .	•	e v	1 6	7 6.	200	6	3 6.	2 4	•	9	94	0 100.		•	5 60 5 60	4.3	7	6.3	9.6	0 1	- 0	٠٠ ٢٠٥	. 0		224
	AND BY	0	.0 7.8	4.0		.7 6	40	.6 12		- m	.3	4:	•	•		<b>•</b>	0 100			90	•	•			16.1		• •	•	•	348
	SPEED		01	יטי	ח יט	4	<b>.</b> 0 m	· œ	4	D 4	0	<b>10</b> 4	ח פ	•	4		100			03	•	•	6	6		: .		; •		116
	10N BY																			8	•		•	o,	12.4	; 4		•		558 100.0
е - н	DIRECT	MEAN	14.4		9	5		3	*		•			•	•	14.6		9 <b>9</b>												
HAY TABLE	IF WIND	PCT	\$ 4	•	• •	•		•	•		•	•	• (	•	4.3		100.0	TABLE		MEAN	5		•	•	15.0		, 4	•	•	14.6
	QUENCY D	TOTAL	193	27	- 10	-	400	-	7	- 4	0	w 1	o –	•	2	5				PCT	•		-			1	-	•		100.0
	E FRE	<b>48</b>	0.0				• •			<b>+</b> ~•		•		•		4	7.			TOTAL OBS	6	0	9	u u	356	4 4	1		101	5
	ERCENTAG	TS) 34-47	-:*											:0		89				414	•		* 1							E 4
696	96	ED (KNOT: 22-33	1.3		1.2	•	1.0		•		1.5	•		•		004	•		-014.7	28-40				•			• •	0		173
1944-1		IND SPE 11-21	1.8	• •	• •	•		•	•	• •		•	• •	•		o.	•		L	17-27	•	•	•	•	4	•	• •	•		702 29.8
MARY) R-ALL)		4-10	2.3		• •				•		•	•	• (	•		469	•		2	7-16	•	•	•	•	2.6	•				1016
(PRI		0-3	40	. ·	'n	m (		•	m «	۰.		* 0			4.3	0	•			9-0	•	•	•	•	2.1	•	•	•	•	451
PERIOD		WND DIR	ZZ	W U.	w	ESE	SSE	S	300	E SE	3	1 3 2 2 3	2 2	VAR	CALM	TOT 085	5			WND DIR		y Z	n é		T V	3	3 Z	3	CALM	TOT 08S

HAY

PAGE 524

													TOTAL 080	110	61	ָר בּ	7.2	75	95	40,	9	115	115	151	95	44	92	, t	1582	100.0
										>4/8)			NH <5/8 ANY HGT	1.3	4.0	, s.	1.5	4.	4.	7.	٠	1.2	1.1	1.9	1.5	1.0	 	2 4	245	15.5
ATTU 172-180E										(FT,NH >	2		8c00+		۲.	-	•	•	~;	 J. I.	0	•		6.	7	٠.	- 0	. 4	30	1.9
											DIBECTION	7947	6800	.1						-			.1	-	0	•		9		٠.
AREA 0010 51-55N										G HEIGHTS	2		5000	•2		. 0	•		•	: "	.2	-	4.	•	۲.	-:	- •	• •	28	1.8
ARE 51		A L S	74	72	97	612	C			CEILING	A 0 0 V		35C0 4999	60	~.			. 3	•		m	.7	9.	9.	.7	9.	ه د	• -	130	•
	£	TOTAL Q OBS				•	V		TABLE 6	OF	NH N		2000 3499	1.9	2.1	• m	1.3	1.3	2.0	1.8	9	1.2	1.2	2.1	1.6	1.4	•	•	346	21.9
	JR (GMT)	PCT FREQ		100.0			100.0		TA	FREQUENCY	a u u u u		1000	1.5	1.	2.5		1.2	1.5	3.6	2.1	1.9	1.9	3.4	1.3	1.6		2.1	440	27.8
	BY HOUR	HEAN				14.0					SOUSERCE		666	9.	2.	•		e.	•		9.	۰.	4	•	ů.	9.	7.0	. 2	108	6.8
4	SPEED	CALM	4.2	3.1	2.0	4.9	4.3			PERCENTAGE	CNA		300	6.		7 .	.3	.2	ů,	. "	7	6.	• 5	'n.	0	<b>.</b>	• 0		57	3.6
TABLE	MIND	(KNDTS)	6.	.2	• 2	٠,	. 2			~			150	۲.	o c	. 0	7	•	-:-	:0		•	٠.	•	۳.	-	0	•	14	6.
	NCY OF	SPEED 34-47	2.7	3.0	3.8	2.3	2.9						000	.3	4.	: -		.7	*	2.1	1.3	1:1	1.1	6.	4.	4.	4.0	? ?	176	11.1
	FREQUENCY	WIND 22-33	15.4	18.5	17.7	16.7	17.0																							
	PERCENTAGE	11-21	43.0	40.4	45.9	41.2	41.9			(EIGHTHS)		MEAN	LOUD	•		• •	•	•	•	• •	•	•	•	•	•		0.0	•	7.0	
	PER	4-10			-	6 9	29.5				_		S S	110	6 4	31	75	75	95	62	96	.15	115	151	95	76	60	71	582	0.0
		1-3	•	•	•	5.2	4.3		'n	AMDUNT	ECTION		101 0		~ (*	. 0-		φ.	- ·	2					<b>.</b>	<b>.</b>	. 0	<b>.</b>	7	2
944-1969		HOUR	6030	603	513	3621 FOT	PCT		TABLE	CLOUD	WIND DIRECTION		3 8 7 08SC	m (	70	•	7	ורי	<b>0</b> 4	100	4	2	4	<u> </u>	m	m r	7	m	-	65
		_	8	ŏ	-	Ž.	_			TOTAL	8 × 11		5-7	9.0			1.5	-	•	1	1.5	1.4		7	-	7	1	-:		24.8
(PRIMARY)										0 DF			3-6	9.	10		6	G.	•		•1	4.	ů.	* (	2.	* (	,0	.1.	57	3.6
										PCT FRE			0-5	*	- 4	-	80		•	-	۲.	*	4	•	•	יי ו	•	4		••
PER1001										ā			WND DIR	z	U 12	ENE	ш	ESE	7 S E	S	SSW	NS	NS.	*	323	Z	× × ×	CALM	TOT 085	07 PC

FAGE 525

AREA 0010 ATTU 51-55N 172-180E	
TABLE 7	
PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1909-1969	

DCCURRENCE	(NN)
Š	8
_	VSBY
SIMULTANEDUS	AND
5	8
₹	8/4/8
SI	- •
9	¥.
FREQ	IGHT
PCT	Ħ
۵	ž
VE	-
UMULATIVE	CEILING
3	
3	P

	<b>.</b> OR	°	2.5	4.2	12.5	34.4	62.1	0.69	72.6	73.4	84.5	1340
	■ 0R	>50YD	2.5	4.2	12.5	34.4	62.1	69.0	72.6	73.4	84.2	1335
	• 0R	>1/4	2.5	4.2	12.5	34.4	62.1	68.8	72.4	73.2	82.2	1303
=		>1/2	2.5	4.2	12.5	34.1	61.7	68.5	71.7	72.4	79.5	1260
VSBY (NM	* OR	7	5.4	4.2	12.4	33.9	61.3	67.8	70.9	71.5	77.4	1227
	. OR	>5	2.4	4.2	12.2	32.9	58.8	6.49	67.5	6.19	72.5	1149
	• OR	>2	2.3	4.0	11.7	30.2	52.4	57.1	56.6	60.1	63.3	1003
	• OR	<b>&gt;</b> 10	80	1.6	6.4	15.5	24.7	27.1	27.7	27.8	29.0	460
	EILING	(FEET)			>3500							TOTAL
	3	Ξ	R	• 80	R	• OR	. OR	OR	• OR	. OR	0R	

TOTAL NUMBER OF OB.: 1585 PCT FREQ NH <5/8:

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (ETGHTHS)

0 1 2 3 4 5 6 7 8 GBSCD GBS 3.4 2.2 3.6 2.3 3.5 4.6 10.3 12.7 48.5 8.7 1891

		PCT	4.9	116	6.6	7.3	2000 3000 3000	1.3 35.7 97.0	100.0
		TOTAL	17 66 83	21 33 54	61 45 106	95 127 222	98 539 637	22 624 646	1748
		CALM	0.44	000	71.4	2.1.9	2.8	04.7	72
80E	7	VAR	000	000	000	000	000	000	00
ATTU 172-180E	PRECIPITATION	N N N		0,44	0,44	51.5	1.1	2.7	4.8
0010 55N	RECIP	Z	0,7,6	000	w	1.51	1.8	2.9 52	114
AREA 0010 51=55N	9	N N	0:1-	01.0	01.0	11,5	1.9	2.9	104
	URRENC	3	0,44	1.22	4	22	 6 5.5 8 5.5	3.1 3.1	160
	OR NON OCCURRENCE VISIBILITY	HSH	041	1.0.4	01.2		2.2	2.1 38	119
	E OR N	MS	104		400	2.0.4	1.8 35	2 4 4 5	130
æ	URRENC	NSS	.1 8.1 15	717	10	.5	1.3	1.7	100
TABLE	VS DCC	S	16.6	v. m	25	9.00	900	1.7	182
	CTION VS OCCURRENCE Th varying values of	SSE	220	11.6	2.2	E E O	1.2	.1	74
	WIND DIREC	3E	7.72	-44	41.5	5 6 5	1.9	2.0	106
	OF WIN	ESE	0 N m	41.	••	W W &	1.1	1.7	4.7
	FREQ	ш	0.10	0.1.0	44	15.5	1.0	2.5	96
	PERCENT	ENE	0.4.4	44.2	10.1	2,7,80	.1	1.0	4.5
1969	۵.	Ä	000		7.7.	2.1.5	1.1	2.3	81
1944-1969 1909-1969		NNE	0,40	000		225	1.3	2.1 37	73
(PRIMARY) (GVER-ALL)		z	124	444	1.0.2	1.00	2.0	3.3	126
PERIODI (PRI)			PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TUTAL	PCP NO PCP TOTAL	PCP NO 2CP TOTAL	TOTAL PCT
PER		VSBY	<1/2	1/2<1	1<2	2<5	5<10	10+	

69
1944-1969 1909-1969
PERIODI (PRIMARY) (OVER-ALL)
PER 100 :

AREA 0010 ATTU 51-55N 172-180E

TABLE 9

MAY

	PCT	1.00	7.1.65.1	<b>444</b>	1945 11947 11947	111.6 16.5 19.5 19.9	112.8 15.9 15.7	0.00
	TOTAL	25 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 18 18 55	130 130 130 130	18 57 111 91	88 273 387 171 919	900 900 134 884	2348 1
	CALM 1	* ~	• •	. 2	4. 0	2.3	30	100
	VAR	00000	00000	00000	00000	00000	00000	00
	X Z Z	00##8	00.00	07704	00440	0 9 1 7 5	1.59	118
	Z	0 * * * m	00000	* 7.7.0	0,7,0,4,1	* 8 4 6 4	1.117.17.19	161
EO	Z	00#04	0#0#1	00-04	0.16.11	1	6.9990	131
ND SPEED ITY	*	644*	# 17##10	0 # 7 # 4	# 2 9 9 2	11.0	48217	207
VS WIND S	MSM	70707	0 * 104	0 * * - 4	0 * 4 4 0	1.1		142
ECTION S OF V	X.S	0 4 4 0 4	ó#4*4	1551.50	~w.n.u.s		1.08	170
DF WIND DIRECTION ARYING VALUES OF V	MSS	0.74-15	0##0N	00625	7,000	9.5.00	33.00	119
OF WI	S	0 # m m 9	00###	04456	# 4 1- 6 10		4.00001	212
FREG	SSE	04440	3###W	11.10	10.5.2.4.0	9.000,0	25.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20.1.5 20	3.7
PERCENT #1	SE	0 * * 0 %	* 0 -1 * 4	0,0,0,#0	01.00.	1.011.0	5.3	144
	ESE	0-0+0	04#40		10210	0 8 5 6 7	187.04	114
	w	***0,0	00010	0-1-1-0	* ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	1.0	1.1	151
	ENE	0.+00-	0000114	00#0-	00000	C1 60 40 40	# 0 0 # 00	3.2
	N W	00000	o* 4.4 w	0-0+0	0.1.1.8	1.0	5.0	120
	NNE	0.400	00000	004#4	01710	0 41 - 40	50.00	106
	z	*0-04	0.1014	04440	0 1 1 1 1	1.1.05	4 5 8 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	192 8.2
	SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TDTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
	VSBY (NR)	<11/2	1/2<1	142	2<5	5<10	10+	

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										AND/GR	TOTAL OBS	420	377	387	401	1585
ATTU 172-180E		TOTAL Obs	437	381	401	410	1629			SBY (NM)	NH <5/8 AND 5+	16.0	16.2	14.2	10.7	226
			20.8	18.1	18.0	12.9	285 1 17.5 10	r	2	OF RANGES OF VSBY (FEELINH >4/8),BY	1000+ AND5+	54.3	52.5	45.5	57.1	831
AREA 0010 51-55N	AND	L NH <5/8 ANY HGT							TABLE 1	DF RANG	<1000 <5	29.8	31.3	40.3	32.2	528 33.3
	>4/8)	TOTAL	79.2	81.9	82.0	87.1	1344				<b>6</b> 000 <b>1</b>	14.5	13.8	23.5	16.5	270
	(FEET,NH >4/8),AND HOUR	+0008	2.1	2.4	2.0	1.2	31			CUMULATIVE PCT FREQ CEILING HGT	<150 <50YD	0.6	8.8	17.1	4.4	176
	>	6500	.7	1.0	•2	•	<b>.</b>			MULATI	HOUR (GMT)	60300	60390	12615	18621	TOT
10	ENCY DF CEILING HEIGHTS DCCURRENCE DF NH <5/8 B	5000	1.1	1.0		4.1	28			Ď	¥ 5	ŏ	ŏ	7	ĩ	
TABLE	CEILIN CE OF	3500 4999	8.9	10.2	4.7	8.3	131									
	CY DE	2000	21.3	3.6	70.4	22.9	347				TOTAL OBS	450	377	387	401	1585
	FREQUENCY DCCUR	1000	2.8	~	26	30.0	442 27.1			BY HOUR	10+	41.2	44.6	32.8	35.9	612 38.6
	PERCENT F	009	6.2	8.1	7.2	5.1	108			(NM)	5<10	37.9	34.5	41.3	41.9	617
	PER	300	3.0	3.9	3.5	3.9	57 3.5	TARIF	-	VSBY	2<5	9.5	8.8	11.1	10.5	158 10.0
		150	.5	5.	ē.	2.0	14.	<b>-</b>	4	FREQUENCY VSBY						
66		000	6.8	8.7	16.7	9.5	178				142	4.0	5.6	4.9	5.7	80 5.0
1944-1969		COUR GHT)	60300	60390	12515	18621	PCT			PERCENT	1/2<1	2.1	5.4	3.4	1.5	37
_		FOUR	00	90	12	18	<b>⊢</b> a.				<1/5	5.5	4.2	6.5	4.5	81 5.1
(PRIMARY) (OVER-ALL)											HOUR (GMT)	60300	60390	12615	18621	707 PCT
PER1001																

PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1909-1969

AREA 0010 ATTU 51-55N 172-180E

		CALM		1.6	9.	•	32	5.6			TOTAL 085	381	208	34.	556
	ď.	VAR	•		•	•	0	•		8		96			7
	BY TEMP	Z	÷,	6.3	4.9	.2	166	13.6		BY HOUR	00 MEAN	43.6			
	ECT I ON	×	0.	6.7	5.5	7.	164	13.4		HIDITY	80-89 90-100				
14	ID DIR	NS.	.2	4.7	4.4			10.6	16	VE HU!	80-8	32.3	30.	27.	37
TABLE 14	OF WIN	2	40	7.5	3.8			13.5	TABLE 16	RELATIVE HUMIDITY BY	70-79	16.3	17.8	16.4	205
	PUENCY	SE	2.4		3.4			10.01		CY OF	69-09	9,0	0.0	4.4	51
	PERCENT FREQUENCY OF WIND DIRECTION	ш	~ "	9.1	3.9					PERCENT FREQUENCY OF	30-59	1.8	9	9	15
	PERCE	R	0,0	4.6	5.0	.1	129	10.5		ERCENT	0-29 3	÷.	9	•	0
		z	1.0	8.4	5.6	•2	143	11.7		ā		00003	12515	18621	101
	PCT	FREQ	1.2	51.1	38.6	9.	0.001								
	TOTAL	088	15	626	472		1224			HDUR	TOTAL OBS	664	488	603	2315
	TEMP	80-89 90-100	0.5	26.0		.2		47.1		Ą	MEAN TO		38.9		
	ITY BY	80-89	6.9	15.9	11.6		377	30.8		(DEG	NIM	32 4			
_	HUNID		4.6	6.7	6.2	-	205	16.7		IF TEMP	1%	34	32	33	34
TABLE 13	LATIVE	69-09	4,	2.0	1.1	•	51	4.2	15	riles (	28	37	36	36	36
7	r of R	50-59	0 11	*	•2	•	12	1.0	TABLE	PERCEN	20%	41	36	39	40
	FREQUENCY OF RELATIVE HUHIDITY BY TEMP	30-35 40-49 50-59 60-69 70-79	0.	: -:	°	•	2	.2	F	S AND	95%	46	4 4 0 m	55	4.5
		<b>5€-0€</b>		0						KTREME	<b>%</b> 66	500	4	84	64
	PERCENT	0-29	0.0	0	۰.	•	0	•		MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F)	HAX	70 r.	200	52	54
		TEMP F	50/54	44/04	35/39	30/34	TOTAL	PCT		Ī	HDUR (GMT)	00000	12615	18621	<b>T</b> 01

TABLE 17

AREA 3010 ATTU 51-55N 172-180E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

P 0 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
¥ 0	1112 1 1 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0
101	17 32 22 50 64 163 113 113 127 127 181 191 100
5.3	
52	w.v000000000000000000
4 4 7/ 80	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
41	11/4 W / W 4 W 1 W 1 W 1 W 1 W 1 W 1 W 1 W 1 W 1
37	4 M O L L 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
33	000000000000000000000000000000000000000
29 32	00000000000011441400
AIR-SEA TMP DIF	11/13 9/10 7/8 6 6 7/8 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

PAGE 531

	0E			TOTAL	7	٥	<b>30</b> 4	0 (	• (	0	•	0	0	0	0	•	0	0	0	0	o	0		5.3		TOTAL		17			2 .		3 ~	0	0	0	o	0	0	0	0	0	9 (	2 6	14.0
	ATTU 172-18			48+	•				0,0					•			•					•		•		+8+					ွဲ့								•	•				•	o o
	A 0010	£T.	Ä	24-47	0.	•			•									•		•	•		7	•5	SE	34-4	•	•	•	•					•				0	•			•	. u	٠٠٠
	ARE 51	GHTS (	_	22-33	•									•								0		4.		en .	•	•	4.	•	* *	•	•	0	0		0	•	•	•	°	0.	•	) °	4 . 8
		SEA HEI		11-21	0,1	•	* r		7.7		•	•	•	•	•	•	•	•	•	•	•	•	16	2.8			•		•		•					•			o.						5.7
		VERSUS			4.	•	1.1		• •			•			•	•	•	•	0	0	•		_	2.0		4-10		1.2		•						•	•		•	•	•				2.7
<b>&gt;</b>	E 18	DIRECTION		1-3			9							•						•	•		0	•		1-3		÷ (			•					•			•		•			•	•
MAY	TABLE	(KTS) AND		TOTAL	, n		2 -			· ~	۱ 🕶	7	0	င	0	0	0	0	0	0	0	0	68	12.1		TOTAL		77		•	• (	o c	• 0	0	0	0	0	0	0	0	0	0 (	<b>o</b> c		10.5
		SPEED		+8+	•			•	9 9		•				•	•	•	•	•	•	•	0	0	•		484			ė.	•	•		•	•	•	•	0.				•	•		•	•
		OF WIND		34-47		•			7.0				•	0	•	•	•	•	•	·	•	•	7	4.		34-47	•	•	္	•	•	•		•	•	•	•	•	•	•	•	•	•	•	°
		FREQ	z	22-33	o o	•	* 4	•		• •	0	2.	•							•			16	2.8		22-3			2.5					•				<u>.</u>							1.1
	6	PCT	-	11-21		•	1.1	•												•			35				•		•									•							4.3
	963-196			4-10	•																		-			4-10	•		<b>.</b> "	•	•		0	•	•	•	•	•	•	0.0	0	0 0	•	. 0	4.0
	ARY)			1-3	7.0									c·						•			7	.2		1-3	ņ	•	Š (	•	•		0	•	•	o.	•	•	o.	o ·	•	o c	•		'n
•	OD: CPRIM			HCT			1 V	r	- 1	10-11	12	3-1	17-19	0-2	3-5	6-3	3-4	1-4	9-6	1-7	1-8	87	⊢	ပ			-	•	7 1	1			12	3-1	7-1	0-2	3-2	•	3-4	***	0	1-0	370	- 1-	PCT

HAY

																									GRAND	רח	~	138	90	71	28	₹ ?	2 .	2 0	o c	0	0	0	0	0	0 0	0 (	_	20	100.0
)E			TOTAL	ים ני	7 -			7	7	7	m	0	0	0	0 0	•	<b>o</b> c	C)	0	0	2				TOTAL	5	19		•	12	~! •	<b>→</b> (	<b>u</b> (	•	0	0	0	0	0	0	<b>&gt;</b> C	<b>&gt;</b> (	<b>3</b>	•	9.
ATTU 172-180E			+8+	0 0				•		•		0.	•	0	•			0				0.			484	0	•	•	•	•			•			•		•	0	•		•	•	0	•
A 0010	FT)	SE		• •	90	•	•	•			٠.		•		•			0			m	5.			34-47	•	•				0.0								•		•	•	•	၁	•
AREA 51.	I CHTS (		22-33	• •	• •	7		• 2							•					0		1.4			22-33	0.	•	•			4.0		•			0			•					ο,	T • T
	SEA HE		11-21	•	1.6	•	•	• 5	•	•2	•	•	•	•	•						37				11-21	•	•				•	•					•	•	0.0				) (	n	٠.
	VERSUS		4-10	,	• •						•		0.		9						18				4-10	6.					o c						•		0.0				2.	-	6.3
18	RECTION		1-3		0	0	•	•	•	•	0.	•	°.				0				4	.7			1-3	0.	.2	•			•							•	•	•	•	•	•	<b>→</b> (	7.
TABLE	AND DI		٠ د ـ	<b>\$</b> 0	<b>•</b> 60		~	m	~	2	~	0	0	0 (	<b>3</b> C			. 0	0	0	9	80				m	5	7	m	0	<b>.</b>	<b>.</b>	4 -	1 0			0	0	0 0	<b>.</b>	<b>.</b>		1 0	- (	v
	(KTS)		TOTA	•	7 7	7	-														0	18.		į	TOTA		M	7	-	Ā													C	, י	•
	SPEED		+8+	2 6	0	•	•	•	•	•	•	•	0	•	9 9	3					0	•			4 4 4	•	•	•	•	•	o c	•	•	9 0	0	0	0	•	0,0	•	•	•	•	> 0	•
	OF WIND		34-47	2 6	•	•	0.	•					0.0								7	4.			24-47	•	٥.				•						0.		0.0				•	<b>o</b> (	?
	T FREG (		22-33	2 6																	~			•	22-33	•	•				ڻ م								0					77	•
69	2		11-21	•	3.2	•		4.	•	•	•	•	o c	•	•		•	•	•	•	5	6.6	·		12-11		•		•	•									o o					n	
1963-19			4-10	•	1,1	•	٥.	•	0	၀	•	0	• •	•	•	0	°.	•	•	0	~	4.1		•	01-3	•	4.4	•	2.	٥,	20	0	0	0	0	•	•	0	0,0	•		•	• 6	7	•
MARY) R-ALL)			۳ ر ا																			'n			13														•					n w	•
OD: (PRIN			F 5	- 1	910	è	~	8-8	10-11	12	3-1	7-1	20-22	7 - 7	3-6	1=4	9-6	1-7	1-8	87+	5	C		•	5	<b>,_</b>	4	3-4		-	1019	12	3-1	7-1	0-2	3-5	6-3	3-4	41-48	1 0	4 -	7 4	5 6	1 - 0	

ATTU 172-180E																							
AREA 0010 51-55N																							
		TOTAL OBS	76	176	138	96	71	28	11	10	10	0	0	0	0	0	0	0	0	0	0	628	100.0
	(FT)	+8+	•	0.	•	•	0	•	•	•	•	•	•	0	•	•	•	0	•	•	•	0	•
( L	HEIGHT	24-47					.2		.2								•						7
TABLE 18 (CONT)	VS SEA	22-33	•	•	4.0	3.2	4.6	3.0	1.3	1.0	•	•	•	•	•	•	•	•	•	•	•	111	17.7
TABLE	(KTS)	11-21	•	12.7	12,4	4.6	6.5	1.1		e.	•2	°	•	•	•	·	•	°	°	°	•	270	43.0
	SPEED	4-10	4.1	13.5	5.6	1.4	•	•	•	•	•	°	•	°	•	•	Ó	•	•	•	•	155	24.7
	MIND	6-0	10.8	1.8	•	•	•	°.	•	•	•	•	•	•	•	•	•	•	•	•	•	4	12.6
		НСТ	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT
6961-6961																							
: (PRIMARY) (DVER-ALL) 1963-1969																							
PERIODI																							

¥

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

TABLE 19

MEAN	- (1)	, KC	•	• •	•	,	0	m	
TOTAL	343	159	215	20	5	0	165	406	100.0
<b>87</b> +	•	0	0	0	0	0	•	0	•
71-86	0	0	0	0	•	•	0	0	0
49-60 61-70 71-86	0	0	0	0	•	•	•	0	0
09-64	•	0	0	•	•	•	•	0	•
	•	C	0	0	•	•	•	0	•
33-40 41-48	•	0	•	•	•	•	•	0	•
26-92	•	0	0	0	0	•	0	0	•
23-25	•	0	0	•	•	•	0	0	•
20-22	•	0	•	•	•	•	•	0	•
	-	0	٦.	٦.	•	°.	•	M	e.
13-16 17-19	•	O,	1.5	4	•	•	°	15	1.7
12	ò	1.0	· †		•	•	•	23	2.5
10-11	•	ω.	1.7	1.0	•1	•	0	32	3.5
8-9	4.	2.2	1.8	.1	•	o.	•	41	4.5
7	1.9	3.4	7.5	.7	.2	•	•	124	13.7
2-6	6.1	4.3	3.9	•	. <b>~</b> •	•	•	130	14.3
3-4	11.2	4.2	5.1	7.	٠.	•	•	188	20.1
1-2	16.9	1.7	•	•	•	•	•	175	19.3
₽	1.2	•	•	•	•	•	18.2	176	19.4
PERIOD (SEC)	<b>9</b>	6-7	8-0	10-11	12-13	>13	INDET	TOTAL	PCT

¥

		TOTAL OBS	290 288 284 294	171 179 166 282 176	98 1 1 1 2 8 9 8 0 8 0 8 0 8 0 8 0 8 0 8 0 8 0 8 0	1000	1085 085 087 918 916 916
ATTU 172-180E		HENA ND SIG WEA	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*00,000	200 - 400 C C C C C C C C C C C C C C C C C C	60 % AN	NO SIG 652.00 233.00 235.00
	z	WEATHER PHENDMENA MOKE DUST NO HAZE BLWG DUST SI BLWG SNOW WE	00000		000000000	.O 60. HER PHENDMENA	SMOKE DUST HAZE BLWG DUST BLWG SNOW  .8 .0 1.3 .6 .9 .9
AREA 0010 51-55N	DIRECTION	R WEAT SMOKE HAZE	****	.*		.9 IUR R WEAT	NAUKE HAZE 1.08 1.09 34
	WIND DI	OTHER FOG SI WO I			8 8 4 9 9 C O I L C	15 B	FDG SP PCPN 139.0
	B	THDR	000000	•••••	••••••	• O GCCURRENCE	AN OOOOO
1	OCCURRENCE	TOTAL PCPN OBS	W I W W W W W W W W W W W W W W W W W W	1 10 4 60 4 10 10 10 10 10 10 10 10 10 10 10 10 10	26 20 20 10 10 10 10	2 THER	TDTAL PCPN DBS 140 175 235 192
TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME	0.0048			19.2 TA	PCT FREG PCPN AT OB TIME 13.4 19.1 23.8 21.0
	ENCY OF	HAIL	000000			• 0 FREQUENCY	H 11 00000
	FREQUENCY	TYPE OTHER FRZN PCPN	00000	•••••	3000000		THER CANA O
	RCENTAGE	TATION SNOW (	000000	00000	*		SNOW O
	PERC	PRECIPI FRZG PCPN	000000	00000		•0 ECIPI	PRZG PCPN O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.
		DRZL				•	DRZL 7. 4. 10.3 111.2
0-1969 7-1969		RAIN	* ° * * -; *	0	7.0011111#1	·.	SHWR 1.0 1.0 28 28
195		RAIN	400000	10867	w	<b>.</b>	RAIN 12.6 12.8 9.1
(PRIMARY) (OVER-ALL)		WND DIR	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	N N N N N N N N N N N N N N N N N N N	KSW WN WNW NNW VAR CALM	5 d	HDUF (GMT. 00603 06609 12615 18621 101
PER 100:							

		21			
		18	400	21	0000-00040000
180E		15	n/nn/ng 4 4 4 4 8 8 8 4 8 8 8 8 8 8 8 8 8 8 8	60	4 1 2 4 8 8 9 4 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ATTU 172-		GMT)	04400044444444440000000000000000000000	Ā	100.000
0010 5N		HOUR 599		15	7.7 111.0 112.9 12.9 15.8 16.0 16.0 17.7 17.7 17.7 10.0
AREA 51-5		•	00000000000000000000000000000000000000	GMT ) 12	11111111111111111111111111111111111111
	HOUR	0	0.0.046.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	HOUR (	4 8 1 9 5 1 9 6 9 6 9 6 9 9 9 9 9 9 9 9 9 9 9 9 9
	₩	03	- W440W44-40W0044	т %	00 40 00 00 00 00 00 00 00 00 00 00 00 0
	D AND	00	04/43/44/40/10/44 . M 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ø	8 1 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0
	SPEE		<b>1</b>	0	100
	ON 84			0	
e.	DIRECTI	MEAN SPD			
TABLE	WIND	PCT	100 + 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4	MEAN	######################################
	UENCY D	TOTAL OBS	42 22222222222222222222222222222222222	PCT	001 001 001 001 001 001 001
	SE FREQU	\$ \$	000000000000000000000000000000000000000	TOTAL OBS	00000000000000000000000000000000000000
	RCENTAGE	34-47	0,4	41+	0.100.10000 0%
696	P	ED (KNOT 22-33		(KNDTS) 28-40	4 4 4 4 4 4 4 4 4 6 6 6 6 6 6 6 6 6 6 6
1950-19 1927-19		IND SPE		SPEED 17-27	22.25 22.24 22.24 23.24 23.24 23.24
MARY) R-ALL)		4-10	10 10 10 10 10 10 10 10 10 10 10 10 10 1	WIND 7-16	0004m0mm N7 0000-4m0 m0
(PRI		6-0	440 	9-0	00000000000000000000000000000000000000
PER 100:		NO DIR	THE SERVICE FOR THE SERVICE FO	WND DIR	TOTATE SERVICE TO TAKE TAKE TAKE TAKE TAKE TAKE TAKE TAKE

											TOTAL DBS	265	153	196	309	141	134	224	197	170	391	200	160	181	142	3340
									>4/8)		NH <5/8	1.0	4 00		۲,	• -	.2	٠. •	. •	4	1.7	€.	<b>.</b> .	<b>0</b> C	? ~	347
U -180E									(FT, NH >	NOI	\$000¢	.1	* *	*		•	•		*	0		*	•		*	77.
ATTU 172-)										DIRECTION	6500 8		o *	•	* +	٠ ٥	*	•	*	۲.	۳.	*	-; ·	- C	*	67
A 0010									G HEIGHTS	ONIM	5000	7.		•	٠, ۱	*	•		*	•	• 1	•	* •	- 0	; -;	1.0
ARE 51		AL S	40	90	9 9 9	و ا			CEILING	5/8 BY	3500	9.	w 4	5	v	. 7	2.		: :	4.	œ.	w,		. 0	•	5.3
	5	TOTAL Q DBS	13	00	17	0		TABLE 6	70	F NH <5	2000	2.2	1.5	1.1	2.1		.7	1.2	1.0	•	2.0	1.6	•			685
	JR (GMT)	PCT	100.	100	100	100.		TA	FREQUENCY		1000	1.5	1 .	1.9	2°.	1.3	1.6	1.7	1.4	5.4	3.4	1.9		0	-	1011
	BY HOUR	MEAN	12	12	12.5	7.7				DCCURRENCE	009	<b>6</b> 0	יי יי	'n	1.1	4	ů	ن. در	. 0	4.	1.3	٠,	ė, r	0	m	323 9.7
•	SPEED	CALM			4				PERCENTAGE	AND	300	<b>.</b>	<b>4</b> -	٦. •			۲.	1 4	7	۲.	4.	2.	, ,	, 0	-	149 6.9
TABLE	ONIB	(KNDTS	•	• •		•			Φ.		150	ú		.2	4,0	. 1	.1		. 2	.3	.7		- 1	٠.	•	3.3
	NCY OF	SPEED 34-47	1.5	7.0	1.9	1.2					0000	1.1	0.0	6.	. «	• •	۲.	0.1	1:1	4.	1.2	٠. د	ů.	•	ω.	477
	FREQUENCY	WIND 22-33	11.3	11.6	13.0	11.3																				
	ERCENTAGE	11-21	2	5.	37.9	1 %			(EIGHTHS)		MEAN LOUD OVER	•	4.4				•			•	•	•	•	• •	7.6	•
	PER	4-10	3.		36.5	3.5					AL C S C	91	153	0	<b>2</b> 4	4	9	V 4	O.	~	9	9	Da	•	4	0.0
••		1-3	•	•	900			ın	D AMBUNT	RECTION	20 TOT 03	<b>6</b> 0 (		<b>60</b> r	n 60	60	~ 1	<b>.</b>	9	<b>.</b>	۰ ۵	<b>7                                    </b>	- 0	. 0	<b>4</b> 1	. 3 10 H
50-196 27-196		HOUR	020	w w	862	3 U		TABLE	ר כרםתם	IND DIRE	-7 8 -	9.	<b>1</b> 4	4 0	) ()	3	m 4	, L	1 4	4	v.	o a	9 6		6	1 79
) 19 L) 19			•						TOTA	BY WI	7 20	4.	7 7	1	٠.	1	0-		2 1	- ·		7 -			* 0	
RIMARY									REQ OF		2 3-	۲,	· ·	- 1	٠.		۰.		*		<b>.</b>		t t		<b>~</b> 4	
a) ; qc									PCT F		-0	•	• •	•			•	• •			•	•	• •	•		2.
PERIC											WND DIR	z	Z Z	EX L	ESE	SE	SSE	30.00	X.	I (1)	<b>3</b> 2	k 3 Z 2 k	2 2 2	VAR	CALM	TOT PCT

JUNE

AREA 0010 ATTU 51-55N 172-180E	
TABLE 7	
PERIOD: (PRIMARY) 1950-1969 (OVER-ALL) 1927-1969	

CUMULATIVE PCT FREG OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

		_	_	_		_	_	_			_	
	* OR	^	1.0	2.0	7.4	28.0	58,3	67.9	72.2	75.5	89.6	2985
	• 0R	>50YD	1.0	2.0	7.4	28.0	58.3	67.9	72.2	75.5	89.3	2976
	• 0R	>1/4	1.0	2.0	7.4	28.0	58.3	67.8	72.1	75.2	85.3	2843
<b>?</b>	• OR		1.0	2.0	7.4	27.9	58.0	67.4	71.4	74.0	80.4	2679
VSBY (N	* OR	7	1.0	2.0	7.4	27.6	57.1	66.1	69.7	71.8	76.0	2533
	• 80	>5	1.0	2.0	7.2	26.8	54.5	62.0	6.49	66.5	68.4	2280
	■ 0R	>2	80	1.8	6.5	23.8	45.1	50.0	51.6	52.5	53.4	1780
	90	<b>&gt;</b> 10	9.	1,3	3.9	12.3	21.2	22.8	23.2	23.3	23.6	786
	CEILING	(FEET)	- OR >6500				■ DR >1000					TOTAL

TOTAL NUMBER OF OBS: 3332 PCT FREQ NH <5/8:

10.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TDTAL D ⁸ S	3658
08800	11.1
60	57.5
7	10.8
•	9.9
*	3.4
4	2.5
6	2.1
2	2.9
-	1.5
0	1.6

			PCT	1.4W C	. 4448	0404	13787	3,2 10.3 12.8 30.0	12.0 10.6 10.6 27.2	100.0
			TOTAL	203 168 168	9 4 F S 10 4	35 106 210 97 448	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	154 489 612 177 1432	140 574 507 75 1296	4766
			CALM	۲۰ ۲۰		.3	4. 02	1.8	¢	199
	Ā		VAR	00000	00000	00000	00000	00000	00000	00
	ATTU 172-180		Z Z Z	#4~#0	00#04	**	0.444	140.66	1.9 1.1 103	249
	0010 5N		Z	10101	0-1+0-0	* 9	* 2007	1.1	7.1.7	254
	AREA 51-5	ED	Z	# 2109		*~~	••••• •••••	1.0	107.14	282
		SPE	3	-4-0-14		*~~~	 		10.00	512
		VS WIND	ESE	0 * # 0 1	0	# U # K		6.16.71	# @ C O M	245
		CTION OF V	AS.	* 0.6.4	0.12.18	10re4		17.7.18	1.02	353
JUNE	BLE 9	ND DIRE	MSS	01211		01478	* ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	- www.	- 10 10 11 1	241 5.1
5	TAB	OF WI	v	# 10 10 11 12		04440	-2.0.00	9.1.48	41.5.12	354
		T FREG WITH VA	SSE	* 0, * -	01618	01416	04444		# 4 10 # 0	193
		ERCENT W	SE	26.776	0 # # 7 5	*****	*****	4474 4444	N4W0N	213
		α.	ESE	- · · · · · ·	00000	* - 7.09		14918	* # 4 # 10	186 3.9
			ш	4.6.4.4	1.2.1.2	2-266	* 4 10 10 0	4.00.00	1.001.7	377
			A N	# 20	0.10.#1	2,2,2,0	* ~ ~ ~ ~ ~	*0~~4	089.76	249
	-1969 -1969		Z W	-4.N.# C	64	0,1,1,4	44 70 V W	***	100.00	297
	1950 1577		NNE		0.1.* 0.0	* 0 = 0	81.550	* 9878	19916	202
	IMARY:		z	w	0#440	*****	04000	10.0	4	360
	RIODI (PRI)		SPD	0-3 4-10 11-21 22+	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	PCT
	PERI		VSBY	<1/2	1/2<1	142	2<5	5<10	10	

ATTU 172-180E		TOTAL OBS	922	814	873	784	3393
AREA 0010 51-55N	9	NH <5/8 ANY HGT	13.6	12.7	10.1	4.6	390 11.5
AA	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	86.4	87.3	89.9	9.06	3003 88.5
	EET, NH DUR	8000+	£.	.2	6	5.	44
	1TS (F 3 BY H	6500	4.	•5	ē.	6.	19
10	ENCY OF CEILING HEIGHTS (FEET. OCCURRENCE OF NH <5/8 BY HOUR	5000	1.2	4.	1.5	₩.	33
TABLE 10	CEILIN CE OF	3500	5.2	0.9	5.5	4.7	5.3
	CY DF (	3499	31.0 21.7	19.4	19.9	20.3	691
	REQUEN	1999	31.0	29.0	28.4	30.9	1012 29.8
	ENT F	009	8.5	10.2	10.8	8.7	323 9.5
	PER(	300	3.0	4.5	4.5	5.0	143
		150	2.1	4.1	3.2	4.0	3.3
6961		149	12.8	13.0	15.7	14.9	478
1950-1 1927-1		HOUR (GMT)	60300	60390	12615	18821	PCT
PERIOD: (PRIMARY) 1950-1969 (OVER-ALL) 1927-1969							
PERIODI							

	~						
	AND/DI	TOTAL	906	798	860	768	3332 100.0
	HOUR	NH <5/8 AND 5+	11.1	11.3	4.8	6.5	313
	VSBY	N A NO					
12	GES DF NH >4/6	<pre>&lt;150</pre>	48.2	43.9	40.6	47.7	1502
TABLE 12	OF RAN	<1000	19.4 40.6	23.8 44.9	26.3 51.0	25.7 45.8	1517
	FREQ G HGT	<b>6</b> 000	19.4		26.3	25.7	789
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/6),BY HOUR	<150 <50YD	12.6	13.0	16.0	15.1	472
	CUMULAT	HOUR (GMT)	60300	60390	12615	18621	T0T PCT
		TOTAL OBS	906	798	860	769	3332 100.0
	(NM) BY HOUR	10+	34.8	32.6	23.7	28.6	30.0
-	(MM)	5<10	32.0	32.2	34.2	32.9	1094
TABLE 11	PERCENT FREQUENCY VSBY	2<5	14.2	14.0	19.8	14.8	525 15.8
~	FREQUE	1<2	6.7	8.0	8.7	7.3	256
	PERCENT	1/2<1	4.2	4.8	5.0	3.9	149
	-	<1/2	8.1	4.8	9.6	12.4	908
		HOUR (GMT)	60300	60390	12615	18821	101 PCT

PERIOD: (PRIMARY) 1950-1969 (OVER-ALL) 1927-1969

AREA 0010 ATTU 51-55N 172-180E

		_	_			٠.	.•	_	~	_								
		CALM	٠		•	7	:	•	7	4			TOTAL OBS	394	4 0 0 0	717	177	1492
	TEMP	VAR	0	•		•	•	•	0	•		HDUR	EAN	06	0.6	7 6	2 6	06
	BY TE	Œ Z	0	•	•	7 - 7	4.7	1.6	174	1.7		BY H□	I.	•	<b>n</b> (	<b>.</b> .	,	7
		*	0	٠.	<b>a</b>	00 I	_	m	4	4		HUMIDITY	90-100	57.6	9 1		000	26
	DIRECTION	3	0	<b></b> (		~	0		7 21	-			80-89	30.5	0.0	6.77	4.07	379
TABLE 14	NIN	S								12.	LE 16	RELATIVE		10.4				
TAB	O.F.	U)	•	س ا	1.	4.0	9	• 1	189	12.7	TABLE		70-79	01:	<b>↑</b> Γ	~ 0	ο,	<b>→</b>
	FREQUENCY	SE		0	1.2	3.6	6.4	•	145	4.6		NC Y D	69-09	1.3	•	•		22
		ш	•	-	٠.	2.5	7.2	1.1	169	11.3		FREQUENCY OF	30-59	ů,		* (		4
	PERCENT	N N		∵'						_		PERCENT	0-29	0.0	•		•	0
		z	•		.7	5.5	7.1	1.4	177	11.9			HOUR (GMT)	00803	V 0000	12615	17501	2
	Š	FRE	•		80	27.9	56.7	6.3	100.0									
		088		7								HDUR	TOTAL OBS	1281	//17	1140	7411	06/4
	/ TEMP	90-100	•	•	2.2	15.7	39.4	4.5	921	61.8		F) BY	MEAN T	4.1		0.10	7.7	
	ITY BY	80-89	•	5	4.4	∞ .	11.9	1.6	398	26.7		(DEG	NIM	34				
	HUMIDITY		.1		:	3.1	4.8	•5	145	9.5		F TEMP	1%	6 7	- F		- I	3
LE 13	RELATIVE	69-0	•	0			•	•	52	1.7		LES OF	2%	39	700	D 0	0 0	36
TABLE	OF REL	-59 6	0	۰.		2.	0	•	4	e.	LE 15	PERCENTILES	×	<b>4</b> .	ņ -	، ب	<b>y</b> (	m m
		49 50	•	0	0	0	•	•	0	•	TABLE		50%					
	FREQUENCY	30-39 40-49 50-59 60-69 70-79	0	0 0	<b>5</b> (	0	0	0	0	0		ES AND	95%	000	) H	7 4	*	*
												XTREM	<b>366</b>	45	1 0	4 t	7	0
	PERCENT	0-29	0	o (	•	0	•	•	0	•		MEANS, EXTREMES	MAX	9,		- a	0 0	9
		TEMP F	49/69	55/59	20/24	45/49	44/04	35/39	TOTAL	PCT		Ī	HOUR (GMT)	6000	10000	16461	77507	5

PASE 542

1950-1969	927-196
PRIMARY	_

ATTU 172-180E
AREA 0010 51-55N
7
TABLE 1
-1969 -1969

F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) TSMPERATURE DIFFERENCE (DEG F)														
TAT	FOR	200	8 4	4	W 4	9	41	4	~ @	7	#	٦.	80	7
IPI	u.	9.0		25	12	2	90	7	→				21	79
REC	_ છ	-48		9 -	0	00	~ w	0	N .0	-	0	*	80	6
7	<b>∡</b> 0	1.48	<b>-</b> : •			-	· -	7	•	•	•		558	20.
된	T0T	6 2 4	76	83	121	86	962	258	36	9	-	m	2666	0
EMI.	•						<b>.</b>						7	01
90 6														
F F 0E	509	<b>*</b>	00	00	00	0	00	0	00	0	Ů.	0	Ŋ	•5
_ <u> </u>						_		_			_	_		_
RENC	53	400	0	00	•••	0	00	0	• •	•	0	•	21	•
LFF	49	798	0.4	60	*	0	00	0	0	0	0	0	7	4
E 0.														
TUR	4 8	0 * 0	1.3	3.6	1.2	6.	9.8	4.	:::	0	•	•	585	1.9
ERA	41 44	000											_	_
S. A.	44	• • •	• •	2	0.0	5	25.	m	• •	٠		•	1473	55.
	37	000	00	•••	77	80	3.5	9.0	0 00	*	0	*	478	6.
0 -S	m -0	000	00	00		_		-		_	0	_	~	
ATURE (DEG VS AIR-SEA	33	••••	•••	• •	00	•	•	•	7 ~	•	•	•	=	-:
RAT	EA IF	9 10										œ	_	
MPE	AIR-SEA TMP DIF	14/16 11/13 9/10	7/8	<b>υ</b> 4	60	٦ ،	7	7	7	-5	9	1/-	OTA	PCT
AIR TEMPERATURE YS AIR	AT	~ ~										•	-	
H														
FREQ														
PCT														

PAGE 543

0E			TOTAL		29	54	19	80	5	-	4	-	0	0	0	0	0	0	0	0	0	0	Φ	13.5		TOTAL		16		~~	~	4	-	7	8	0	0	0	0	0	0 (	9	0	0		\$	2.1
ATTU 172-18			484	•	•	•	•	•	0.	0	0	0	•	•	•	•	•	•	•	0	•	•	0	•		48+	0	•	•	0	•	•	•	•	c	٠	•		•		o o		o,		o e	0	•
A 0010	FT)	ū	34-4	•	0.		.1			•	•			0				•					7	•1	SE	34-4	•	0							0			•	၁ (	•		•	•	•	ာ့ ဇ	Э,	•
ARE.	IGHTS (	_		•			9.			•		0											80	1.1	<u> </u>		•												•							<b>.</b>	1.1
	SEA HE		11-21	•	•	•	1.9	•	e.	•	.1					•	•	0		•	•	ġ.	50	6.9		11-21		.7	1.1	•	6.	•	-	-	•	•		•	o.	9.				ó.	, c	→	
	VERSUS		~	1.0	•	•				٠,			0										G			4-10							•		•			0	o (						9 :	<b>⊣</b>	
e 18	DIRECTION		1-3	•	•	•	•	•	•	•	0.	•	•	•	•	•	•	•	•	•	•	•	0	•		1-3	€.	€.	•	۲.	•	•	•	•	•	2.	o.	<b>2</b> (	•	•	•	•	•	o.	G 4	י ה	
TABLE	(KTS) AND		TGTAL	13	54	22	15	11	7	60	m	7	0	0	0	0	0	0	0	0	0		13	•		TOTAL	2	40	17	14	•	0	7	<b>o</b>	N (	<b>&gt;</b> (	<b>o</b> 0	<b>&gt;</b> (	<b>o</b> (	<b>&gt;</b> (	<b>&gt;</b> 0	<b>&gt;</b>	<b>&gt;</b> (	<b>o</b> (	0	•	15.0
	SPEED		48+							•		0.				•				•	•		0	°.		48+	•						•						•					•		> (	•
	ONIW PE		34-47	•		<b>.</b>				٠.		•1	•		•			•			o.		m	4		34-47	•				•							•	•					9 0		٠.	₹.
	FREG 0		22-33				e.					-1											~			22-3																		•			0.1
6	PCT	Z	~	•		•	1.8	•		۲.	o.	•	•	•	o.	•	•	•	•	•	•	•	5	7.1	ш				•	•									•							•	
1963-196			4-10																				5			4-10	•		.7	7.	0	•	•	•	•	•	•	•	•	•	•		•	•	• "		•
ARY) -ALL)			1-3		•					•													•			1-3			•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•
ODI (PRIM			HGT	-		3-4		_	8-0	10-11	12		7-1	0-2	3-5	0	\$ .	4-1	0:	- 1	B - 1	+ 1	TOTAL	J		HCT	_	1-2			~	9 .		4 6	1 -	10	3 1	4 4	35-02	1-4	9-6	-	- 0	170	5	1	

PERI

																						GRAND	5	238	153	101	72	26	33	0	0	0 0	0	0	0	0	00	) C	N	100.0
Ē		i	TOTAL		7:		* (6	٠.	-	0	0 0	<b>o</b> c	• 0	0	0	0	0	0	) (C			TOTA:			17			<b>0</b>	· -•	0	0	<b>o</b> c	0	0	0	0	00	<b>&gt;</b> 0	97	13.5
ATTU 172-180E			4 + C				9 0					9 9			•	0	•	0		•		<b>48</b> +	•	•	0	0	<b>•</b> •		•	•	o c	9 0		•	•	•	0.0	2	0	•
A 0010	FT)	3	15-56		0,1		90						0		•	•	•		• •	·	3	34-47	•	•					0		٠,					•	• •	0		•
ARE	IGHTS (F	,	22-33	•	o, •			C.	•	•		9 0				•	0		• -	٠-:	~	22-33	•	•	•			1.1	•	•				•	0	o c	9 0	0	19	5.6
	SEA HEI	,	17-11		0.0	•	1 4			0.0	ွဲ့	9 0	0	•	•	0	•	0	. K	4.4		11-21	•	•	œ .	•	•		•	•	o c	•					•	•		
	VERSUS	•	9-10		٥٠		0					9 0				•				3.1		4-10		•	•		9 6	•		•		. 0		•	0		• •		2	
<b>م</b> و	ECTION		2 4		•				•			•			•	•	•		• r	4		1-3	7		•	•		•		•		• •		•	0		• •	•	7	<b>.</b>
JUNE TABLE 1	AND DIR																																							
	(KTS)			12	י יי	9 10	<b>.</b> ~	0	2	00	<b>3</b> C	0	0	0	0	0	0 (	<b>a</b> (		4.2		TOTAL	12	43	4 (	7,0	200	1	0	~	00	0	0	3	0 (	90	90	0	~	24.7
	SPEED	0	• •		•		•	٥	•	•	9		0				0.0			•		48+	0				2 6						•			•	•		0	•
	OF WIND	í	0		0 0				•	o c		•		•	•	•		•		•		34-47	•				• 0					•				•	•	•	-	~
	T FREG I	ŗ	0.		• -								0			0	0,0			4.		22-33	•		n .	•	9	4			•	0	•	0		• c	0	0	2	
6.	90	5	Ĭ											•					15			11-21	•	•	•	•	1.0										•		2	•
1963-1969		-	4	€.	-:-	C	•	•	•	္င		0	•	•	0	ပ္		•	11	1.5		4-10	•	7.5	•												0		4	
ARY) -ALL)			.1.	0	0 0	•	•	•	•	o c	• •	•	•	•	0	•	•	•	•			1-3															? 0		•	æ
I (PRIM		1	2 ₹	1	7 10	-	. 1		12	3-1	10	23-25	6-3	3-4	1-4	9.	9 1	0 1 4		5		HGT			7 Y	1		•	12	3.	10	3-2	6-9	3-4	1	7 - 0	71-86	87+	-	C
3100																																								

PAGE 545

WIND SPEED (KTS) VS SEA HEIGHT (FT)

	144	4	5	0	72	41	56	10	6	0	0	0	0	0	0	0	0	0	0	801	100.0
+8+	•	•	•	•	•	0.	•	•	ب	•	•	•	•	0.	0	•	0,	•	•	0	•
24-47	•	•	•	٠,	۳.	•	•2	-:	•1	•	•	•	o.	0.	•	•	•	Ó	•	ø	.7
22-33	0	•		•	2.5		•	.7			•		•	•	•	•	•	•		80	
11-21	•	-	•	5	5.9	•	.7	4.			•			•	o	•	•			5	44.3
4-10	•	•	5	•						•		•	•	•			•	•		4	
0-3	•			•1	•			•			0.		0.	•			•	•		0	
HGT	Ç	1-2		2-6	7	8-9	1	12	3-1	7-1	0-2	3-2	6-9	3-4	1-4	9-6	61-70	81.1	~	TOTAL	Ü

TABLE 19

					PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)	FREC	DENCY	OF.	IAVE HE	IGHT	(FT)	VS W	VE PE	ER105	SECON	(50						
PERIOD	2	1-2	3-4	5-6	7		8-9 10-11	_	12 13-1	6 17-	19 20	-22	23-25	26-32	33-40	41-48	13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86	61-70	71-86	87+	TOTAL	MEAN
(SEC)			:	i		١				1			,									HGT
<b>°</b>	2.0		14.0	0.0		•		•	7	0	0	•	•	•	•	•	•	•	•	•	440	m
1-0	• 5			0		1.4		•	•	<b>~</b>	<b>→</b>	ů	•	•	•	•	•	•	•	•	254	5
8-0	7.		1.9	2.5		Φ.		Ĭ	•	4	•	•	•	?	•	•	•	•	•	•	36	•
10-11	•			5		1.7		Ī	2	4	•	7	•	•	•	•	•	•	•	•	42	0
12-13	•	•	•	•	•	٠.	6.	•	•	0	0	•	•	•	•	•	•	•	•	•	12	0
<b>&gt;13</b>	•		•	•		•		•	•	0	•	•	•	•	0.	•	•	•	•	•	0	
INDET	15.8		•5	•		•		Ĭ	0.	0	•	•	•	•	•	•	•	•	•	•	160	0
TOTAL	181		245	150		47		_		9	<b>~</b>	4	0	0	0	0	0	0	0	0	1000	C
PCT	18.1		24.5	15.0		4.7		ä		9	۲.	4.	•	•	0	0	•	0	0	0	100.0	•

		TOTAL OBS	67	ט ע	35	7 0	1 60	101	147	130	218	64	308	177	190	76	77	64	0	124	2162	100.0			•	088		615	538	465	200	117	100.0
ATTU 172-180E		HENA NO SIG WEA					0.0	0	1.9	1.5	3.1	2.6	4.3	4.1	4.5	2.1	2.5	1.5	0	2.9	906	45.0			4ENA	516	MEA	45.9	39.8	46.0	30.0	674	0.74
		HER PHENOMEN DUST N BLWG DUST S BLWG SNOW W	•	•	•	•	•	0	•	0	•	*	•	•	*	•	•	•	0	0	~	.1			R WEATHER PHENOMENA	WG DUST	MC SNOW			.5			
AREA 0010 51-55N	RECTION	WEAT SMOKE HAZE	•	•	. 1	+ +	• 0	. #		*	1.		'n	0	7	*	•	•	•	0	26	1.2		HDUR	R WEATH	HAZE BI	ã.	1.5	1.5	• 5	1.4	۲۵ د	7.1
	MIND DI	FOG WO	۰				7.7	1.6	2.5	2.9	4.1	2.3	8.4	3.1	3.6	1.1	6.	9.	0		831	38.4		β¥	OTHE	2	PCPN	37.4	40.0	30.8	1000	200	000
	B	THDR	c	•	•	•	9 9	9	0	•	0	•	•	•	•	•	•	0	•	•	0	•		OCCURRENCE	9077	LTNG		•	•	0	• ·	> <	•
-1	DCCURRENCE	TOTAL PCPN DBS			•	۰ ۵	. 60	24	20	33	20	39	57	22	12	7	2	4	0	6	395		E 2	WEATHER OCC	TOTAL	PCPN	S <b>9</b> 0	76	101	106	200	230	
TABLE	F WEATHER	PCT FREQ PCPN AT OB TIME	4		1	7	1.6	1.1	2.3	1.5	2.7	1.8	5.6	1.0	9.	e.	• 7	• 5	•	4.		18.3	TABLE	P	,	PCP	B TI	15.3	18.8	22.8	17.0	a	•
	ENCY OF	HAIL		9		•		0		•	•	•	•	•	•	•	•	•	•	•	0	•		FREQUENCY	HAT			•	•	•	•	<b>o o</b>	?
	FREQUENCY	TYPE OTHER FRZN PCPN	c	•	9		0	0	•	•	•	•	•	0	•	•	•	•	•	•	0	•		ERCENTAGE	TYPE		Nd Do	0.	<u>د</u>	0	•	9 6	•
	RCENTAGE	TATION SNGW (	c		9		•	0	•	•	•	0	•	•	•	•	•	•	•	•	0	•		PERCE	TATION			•	•	0	•	> <	?
	PERC	RECIPI FRZG PCPN					0										•				0	•			RECIPI FD76	50		0	•	o.	, •	0	•
		DRZL		. 4								æ		•	e.						182	•			P 17 90			6.5	<b>.</b>	11.2	• @	•	•
3-196. 4-1969		RAIN	c				0		*	*	0.	.1	7.	•	•	•	*	°.	•	•	Φ	4.			A	SHWR		2.	* (		• 0	. 4	
1943		RAIN		• -		: -	1.0	•	1.5	•	1.9	80	1.6	• 5	.2	*	*	*	•		208	•			FATN			w (	0.0	<b>→</b> 0	208	9.0	•
(PRIMARY) (OVER-ALL		WND DIR	2	N N	. Z	1 Z		ESE	SE	SSE	s	SSW	MS	N.S.A	3	エフェ	Z	32	VAR	CALM	TOT 085	OT PC			a i	(GMT)		60300	030	137	10 T	100	
PER100:																																	

			21	•		•	•••			•	•				•	•			000				
			18	4.0		•	<b>69</b> °		5		•	•		6			•		•			21	<b>ひ</b> 4888223
	TTU 72-180E		15				00 4 1- r	r •	•	•	. v	• •	6			•	•	2.9	٠,			18	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	0		( (GMT)	1.6	J .	•				•	• -	•				•	•	6.0 6.0	•			51	7.00 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	REA 001		HDUR 09	3.5		•		• •	5	•	•	. 4	•	•	•		•	3.5				HT.)	
	AA	HOUR	90	24	4	e.	יי יי		'n	10.	• =		10.	*	5	2.	•	10 c	100			HDUR CEM	
		₩	60	7,	, . ,	e	'n	'n	'n	, n		7	8	3.	4	<b>.</b>	•	2.	100			* *	# # # # # # # # # # # # # # # # # # #
		PEED AND	00	4.6		•			5	•		7		2.	•	•	•	6.7	•			60	6.1 12.4 112.4 117.6 117.6 117.1 17.1 17.1 17.1 17.0 17.0
		8Y S																				0	7.6 110.6 111.6 117.0 122.0 13.1 17.1 6.7
	m	DIRECTION	MEAN SPD	13.0	0	6	2:			<b>m</b> (	, ,	m	-	2	;	5		0,4	4		34		-
JULY	TABLE	WIND D	PCT FREQ	4.6	• •	•	o 4	•	•	•	• •		•	•	•		•	2.1	0.00		TABLE	HE AN	11221211211212121111212121111111111111
		ENCY OF	TOTAL OBS I	95	66	66	~ ~	-	149	~ a	4	27	5	Q.	110	65	- 1	156				PCT	87-01-11-10-10-10-10-10-10-10-10-10-10-10-
		FREQUE	+8+ T	0.0			0.0		•		•			•	0	•	0	c	•	:		OTAL OBS	163 198 291 329 454 641 641 175 175 2757
		ERCENTAGE	1 4-47	C		•	* *	*	*		• (1)				•	<b>→</b>	•		9.0			T +14	*000**0*0 44
	00	PERC	(KNDTS) 2-33 34	10.0		9.			•	7.7		•			٠,		•		9.3			KNÜTS) 28-40	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	943-196 924-196		ND SPEED 11-21 2	1.2		•	200	•	•	•	• •		•	•	•	۰.	•	9	40.2			PEED (	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	ARY) 1 -ALL) 1		MIM 4-10 1	1.1	•	•			•	•	• •			•	•	•	•	0	35.9			WIND S 7-16 1	2000 0 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1
	(PRIMA)		6-0	9 19			0 4		•	2 4	9.1			*		<b>∵</b> (	•	376				9-0	00000000000000000000000000000000000000
	PERIODS		WND DIR	ZZ	Z	ENE	ESE ESE	SE	SSE	300	3 30	ESE	3	ZZZ	Z	X Z Z	X A Y	CALM OT JA	TOT PCT			WND DIR	TO CASSE TO

PAGE 548

											TOTAL OBS		43	9	9	135	000	0	, r	107	0	148	10	- 2	4 C	0	0.	100.00
									>4/8)		NH <5/8 ANY HGT	'n	۲.	6.	• 5	0.4	. r		4	•	6.	91	• •	1 4	. w	0		7.4
80E									(FILLN:4 >	NO	8000+	7	•	0	0		•		0	•1	•		•	•	? 0	•	0 4	. w
ATTU 172-1										IRECTION	6500 B 7999	•	•		•	•		0		٦.	•1	(	•		•	•	~;	) ¢
A 0010									HEIGHTS	WIND	5000	0	•	• 5	-	:		? .	7	-:	•	<b>:</b>	- €	2		•	0.0	1.1
ARE/		٠.,	4 ru	22					EILING	1/8 BY	3500					7,0					<b>.</b>					•	.1	
		TOTAL	~~	N I	27	İ		ABLE 6	Y OF C	NH <5	2000	9		.2	4	0	• •		•	9.	•	•	1.1	•	•	•	9.00	11.8
	R (GMT)	PCT	1000	100.0		100.0		TAB	EQUENCY	ENCE OF	1000	9.	4.	•	•	• • •	•		•	•	•	•	• •	6	1.0	•	1.9	•
	BY HOUR	MEAN	-	12.9	1.				AGE FR	DCLURRE	009	.2	ů.	۲.	2.		1 4	•	6.	9.	1.2	0,0	) ir	2	. 2	•	. a	11.0
4	SPEED	CALM	4.9	40	156	5.7			ERCENTAGE	AND D	300	6	•2	٦.	<b>.</b>	ָּה מ	, v	m	1.1	•	1.6	, u			0	•	1.5	۰ ۵
TABLE	MINDS	KNOTS)	00	00	0	•			P		150	0	•	٦,	٠.	-: 0	2 %	7	.2	•2	eŭ (	7.		0		0	0.6	1.9
	-	SPEED (	4:1	စ်စ	56	o.					000	3.	Φ.	6.		ر . د .	2.6	2.6	4.1	1.7	3.6	, c	8	•	<u>, m</u>	ૃ	2.0	30.7
	FREQUENCY	WIND 22-33	8.4	10.3	2	6.6																						
	PERCENTAGE	11-21	38.9		0				(EIGHTHS)		LOUD OVER	•	•	•	•	7.7		•	•	•	•	•	•		•	•	7.6	•
	PER	4-10	37.4	90	66	•					SEC	47	43	09	ם מ	8 6	0	Q.	~	0	O .	* 4	) r	65	43	<b>ر</b>	ا در در	4 .
		1-3	7.7		2	•	ı	ın.	AMDUNT	DIRECTION	TOT 0	0	m (	~ 4		•	8					<b>4</b> ~			2	0	92	10
1-1969		HOUR	603	52	4	<b>L</b>		TABLE	CLOUD		8 0850	7	~	~ ~	0 L	- 3	. rv	S	6	41 (	ט נ	- 1	- w	m	2			85
1943		<b>.</b>	88	12 18	-	a.		-	TOTAL	BY WIND	5-7	4.	-	o.		• •			8.	•	•			4.			184	
(PRIMARY)									90 0	_	3-4	.1		-	•			۰.	•	2.0	2.			•	.2	0	29	1.7
_									CT FRE		0-5	,2				. 2						•					.10	
PERIODI									2		WND DIR	z	W.	2 Z		E C	SE	SSE	S	NSS.	3 C	E 0	Z Z	Z	ZZ	VAR	CALM TOT DBS	0

AREA 0010 ATTU	
	TABLE 7
PERIOD! (PRIMARY) 1943-1969	(OVER-ALL) 1924-1969

CUMULATIVE PCT FREG OF SIMULTANEOUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

	OR	2	o		2.1	5.8	17.9	41.7	52.5	4.09	62.3	92.5	1577
	* OR	>50YD	ď	•	2.1	5.8	17.9	41.6	52.5	4.09	62.2	8.06	1548
	• OR	>1/4	a	•	2.0	5.7	17.8	41.3	52.1	59.9	61,4	76.8	1308
_	-	>1/2	a	•	1.9	5.6	17.5	40.6	51.1	57.6	58.6	66.1	1126
VSBY (NA	* OR	7	1	•	1.9	5.5	17.3	40.1	49.7	55.6	56.4	61.2	1042
		>5	۰	•	1.9	5.3	16.6	37.6	45.2	49.2	49.5	52.9	902
	80	>5	•	•	1.7	5.0	14.0	31.0	36.0	37.9	38.0	39.7	677
	■ UR	>10		•	6.	2.3	6.7	13.4	15.1	15.5	15.5	16.1	275
	CEILING	(FEET)							OR >600				TOTAL
			1	•	•	•	•	•	•	•	•	•	

TOTAL NUMBER OF OBS: 1704 PCT FF

PCT FREG NH <5/8: 7.5

TABLE 7A Percentage freq of Low Clouds (Eighths) 0 1 2 3 4 5 6 7 8 DBSCD DBS 1 1.5 1.9 1.2 2.0 1.7 4.0 6.3 56.4 24.1 1983

PERIOD! (PRIMARY) 1943-1969 (OVER-ALL) 1924-1969

AREA 0010 ATTU 51-55N 172-180E PERCENT FREG OF WIND DIRECTION VS OCCURRENCE OR NON OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY TABLE 8

	PCT	4.6 22.5 27.1	5.5	3.9	4.0 11.4 15.4	2.8 18.6 21.4	16.9	100.0
	TOTAL	99 480 579	58 118 176	83 153 236	85 243 328	39 398 457	349 360	2136
	CALM	1.6	m	040	1.4.0	1.6	1.0	123
	VAR	000	•••	000	000	000	•••	00
	Z	1.4.0	# O PM	00 111	# 03 10	15.0	0	49
	Z	0.00	0.1.0	*400	040	1.1.25	1.1	3.5
	N N	1.7.1	0#	1.60	1.9	16	0.00	3.6
-	*	2.5	1.4.0	<b>* 9 1</b>	1.11.4	32	1.9	186
	MSM	1.8	1.7.1	.7	1.1 1.3 31	1.7	1.1	177
21	MS	3.6	2.1	1.0	1.8	2.7 4.5 5.2	1.3	308
	MSS	1.3	113.5	25	2.6	1.1		147
	S	2.9	4.0	7.48	2.8	1.5	1.1 26	213
	SSE	.6 1.9 53	.3	64.1	64.2	2.0	0.95	128
	SE	1.6 51	662	26.00	2.5	202	1.0	143
	ESE	.1 .9 22	113	4.40	22.0	1.1	20 20	66
	ш	1.2 31	6.4.2	4.6.4	25.5	1.8	20.00	147
	ENE	 7.1	0.4.	4.1.2	20	1.0	.0 .7 16	3.9
	Ä	*7*	442	*	1.60	12.2	1.0	3.3
	NNE	.5	* - n	12.7	1.4.0	276	040	2.3
	z	# m r	# - <del>"</del> w	1153	100	1.04	0 00 00	63
		PCP NO PCP TOTAL	PCP 1 ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	TOTAL PCT

1/5<1

142

2<5

<1/2

5<10

10+

		5	w 0 e	w 0	۲	071	4 0 4	5.4	<b>000000</b>	₩ M O N →	W41.04	0
		5	w 1 0	122	2	m → r	<b>→ @ @</b>	~ 2	14044	9.2	7 00	100.0
		TOTAL	207	615	28 6	85 93 193	104	41	43 170 170 62 405	91 252 273 273 69 685	91 229 209 23 552	2727
		CALM	1.5	40	.3	8	*	11	••	1.7	3.2	155
0E		VAR	000	00	000	000	000	00	00000	00000	00000	00
ATTU 172-180E		Z Z	* 7.7	* 9	0.7	* i.v	7.70	6	01,00	01612	* 4 4 0 0	2.3
		Z	*	110	00	.o.w	0.7.7	0.	04:40	3.1.5		107
AREA 0010 51-55N		X X	040	10.1	00	# o ⊷	9:::	111	01419	*****	04911	3.6
	SPEED LY	*			* ~	1.05	747	0.91	0 40 414	eo eo u/u	4:11.95	254
	VS WIND S	MSM	* 1. 0	0.7	# m	191	# 60	20	* 41.00	0.01.44	1.48.4.1	227
		N.	5:1:1		7.0	044	21.0	. 4 . 0	32.11.6	 17 16	6.1.0	413
٥	DIRECTION Alues of V	MSS	4.0	355	0.7	7*1	* ~ 4	.1 27	0 9 4 1 8	1.0	. 4 4	181
TABLE	ARYING VA	S	4,4,4	t	* m •	5.1.4	, w. 4	30		1:1	%.e	265
	FREG DI TH VAR	SE	41. «			15.1	- 22	1.1	12121	14217	# 24.12	14.
	0440	···	0.00	1 4 - 0 1			# 0100					~ ~
	PERCENT	SE	0.00	• • •	* 7'	± ± ₩	* ~~	1.1	7	14.08	24408	170
	_	ESE	. u. 4	25	0.79	r.* :	0 17	* 0	11.604	10414	1.6406	116
		ш	-4.0	34.1	* -;	12.5	* ~ m		* # # # 7 7 7	215.96.2	74618	171
		ENE	4	161	o, # .	o.	0.7.7	# 10	-04.64	-4.W.I.W	-4.e.+ w	99
696		NE E	e. c	.0	* -; (	700	# 70	<b>#</b> 00	* 0.1.4	75.1.12	w. 6.4.0	3.6
1943-1969 1924-1969		NNE	0.6.	12	* * *	# 0 m		0.0	0	121.*4	16600	67
PRIMARY)		z	777	0.00	* o.	-o-m	- 0.E	19	*	25.23.5	144.	3.5
(PRIM		۵.	0 2	<b>,</b>	6	7 F	21	A.	0 21 4L	0 21 4L	0 21 4L	A L
ERIODI		SA	0-3 4-10	22+ TOT	6-1	11-41 22+ TOTAL	0-3 4-10 11-21	22+ TOT	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL PCT
PERI		VSBY	<1/1>		1/2<1		142		5<2	5<10	10+	

ATTU 172-180E		TOTAL OBS	491	430	394	431	1746
AREA 0010 51-55N	9	NH <5/8	10.8	9.1	8.9	5.3	150
AR	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	89.2	6.06	91.1	7.46	1596
	EET, NH 3	8000+	4.	•	\$.	•2	เกต
	HTS (FI	6500		•2	ı,	.7	200
10	G HEIGNH <5/	5000	1.0	1.6	1.0	6.	20
TABLE 10	CEILIN CE OF	3500	3.3	4.7	3.3	3.5	3.7
	CY DF CURREN	2000	12.2	11.4	11.4	12.1	206
	REQUEN DC	1000	25,3	22.8	20.3	54.4	168 407 10.8 23.3
	CENT	666	12.2	9.6	6.6	10.9	168
	PER	300	4.8	8.6	6.9	7.0	135
		150	1.6	1.9	1.8	2.1	32
6961		149	24.0	30.0	35.5	32.9	529
1943-1		HOUR (GMT)	60300	60390	12615	18621	T07
PERIOD! (PRIMARY) 1943-1969 (OVER-ALL) 1924-1969							
α.							

	ND/ON	TOTAL	478	416	385	425	1704
	A RUCH	5/8 7	8.6	5.8	0.9	3.8	104
	/58Y	NH <5/8 AND 5+	or .				
12	SES OF V	1000+ AND5+	34.7	32.2	5.97	6.67	529 31.0
TABLE 12	OF RAN(	<pre>&lt;600 &lt;1000 1000+ &lt;1 &lt;5 AND5+</pre>	36.0 56.7	44.7 62.0	48.6 67.5	4.99	742 1071
	FREQ.	<b>6000</b>	36.0	44.7	48.6	40.4	742
	CUMULATIVE PCT FREQ DF RANGES DF VSBY (NM) AND/DR CEILING HGT (FEET,NH >4/8),BY HDUR	<150 <50YD	8.62	30.5	35.8	33.2	520 30.5
	CUMULAT	HDUR (GMT)	60300	60390	12615	18621	T07
		TOTAL OBS	478	416	385	425	1704
	(NH) BY HOUR	10+	24.7	22.8	17,1	16.2	348
		5<10	26.6 24.7	25.2	24.9	24.7	433
TABLE 11	CY VSBY	2<5	15.3	11.3	15.8	13.2	237
	FREQUEN	142	7.9	7.0	7.8	10.1	140
	PERCENT FREQUENCY VSBY	1/2<1	4.0	5.3	5.5	5.9	87 5.1
	ď.	<1/2	21.5	28.4	28.8	59.9	459
		HOUR (GMT)	60300	60390	12615	18621	TOT

1943-1969	1924-1969
(PRIMARY)	(OVER-ALL)
PER IOD :	

## AREA 0010 ATTU 51=55N 172-180E TABLE 14

AREA 0010 ATTU 51-55N 172-180E	TABLE 14	PERCENT FREQUENCY OF WIND DIRECTION BY TEMP	E SE S SW W NAR CALM	0. 0. 1. 1. 1. 0.	.4 .3 .8 2.1 1.3 .4	.9 2.6 3.7 5.7 2.3 1.4 .0	6.7 9.0 11.0 13.0 6.2 3.4 .0	1.8 1.3 2.2 4.0 1.0 .3 .0	143 194 258 364 158 80 0	9.8 13.3 17.7 25.0 10.8 5.5 .0	TABLE 16	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR	30-59 60-69 70-79 80-89 90-100 MEAN TOTAL	.2 1.6 8.8 25.3 64.1 91 434	3.0 12.0 82.7 OK		304 1041 92 1	
		PER	N		9.					6.1 5.9		PERCEN	HDUR 0-29	0.0000			101	
PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1924-1969	TABLE 13		F 0-29 30-39 40-49 50-59 60-69 70-79 30-89 90-100 DBS FREQ	0. 0. 0. 1. 33 .1 .0 11	59 .0 .0 .0 .1 .1 2.5 2.4 1.6 98 6.7	.0 .0 .0 .1 .5 1.9 9.0 10.8 324	.0 .0 .0 .1 1.9 8.4 46.0 821	.0 .0 .0 .1 .2 1.0 12.8 204	0 0 0 3 15 98 304 1038 1458 1	.0 .0 .2 1.0	TABLE 15	MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR	MAX 99% 95% 50% 5% 1% MIN MEAN TOTAL DBS	65 61 56 47 43 41 37 48.3 65 52 58 47 43 41 39 48.5	56 53 50 45 41 41 39 45,4	62 60 54 46 42 39 38 47.0	65 60 56 46 43 41 37 47.4 2	
PE			TEMP	49/09	55/59	20/	45/	40/44	TOT	<b>D</b>			HOUR (GMT)	60300 60300	12615	18621	101	

1943-1969	0701-700
(PRIMARY) 1	
ERIDDI	

AREA 0010 ATTU 51-55N 172-180E	
TABLE 17	
(PRIMARY) 1943-1969 (DVER-ALL) 1924-1969	
IOD! (PRIM	

PCT FREG OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)	
(WITHOUT	-
OF FOG	I DEG F
OCCURRENCE (	DIFFERENCE
THE	ATURE
) AND	EMPER
u.	F
(DEG	-SEA
TEMPERATURE	VS AIR
AIR	
OF	
FREQ	
PCT	

P.05	.1		1.0	1.8	2.8	2.0	3.5	5.3	4.0	8.6	7.0	15.3	6.4	2.0	4.	4.	•1	• 1	• 5	•1	1137	409
FOS	4.6		1:1	1.6	3.0	1.8	3.0	4.0	3.5	5,3	6.4	5.9	1.4	2.0	۳,			٦.	•	-:	746	39.6
T0T	6	26.0	39	63	109	72	122	175	141	261	225	399	119	75	16	20	4	2	4	2	1883	100.0
68	7.0	? .	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.	4	•2
61	0.6	2	.2	•	•	•	•	0	•	0	•	•	0	•	•	•	•	•	0	•	13	.7
57	0.	4	9.	.3	• 2	-	•	•	-:	•	•	•	•	•	•	•	•	•	•	0	30	1.6
0 0 0 0	0,0	1	0.	1,3	1.0	۳.	m.	.2	٦.	٦.	٦.	٦.	•	•	•	•	•	•	0	٥.	91	8.4
55	• •		4.	1.0	5.9	1.8	3.1	2.7	1.4	1.3	1.5	• 5	•	•	•	•	•	•	•	•	315	16.7
4 4 W 80																						
44	0,0	3	0	•	-	5	9	4.	1.0	2.7	2.1	5.4	2.5	1.5	.2	4	⁻:	7	~	7	328	4.1
40 40	00	0	•	•	•	°	•	•1	•	•	•	٦.	٦.	m.	-	7	0	•		•	14	
AIR-SEA TMP DIF	20/22	14/16	11/13	9/10	4/2	•	5	4	m	7	-	0	7	-5	-3	4-	-5	9-	-1/-8	-9/-10	TOTAL	PCT

<b>.</b>		TOTAL	7	9	-	7	*	m r	70 -	• ~	~	0	0 (	•	0	0	0	0	0	*	6.2			TOTAL		4	20	<b>~</b> K	0	~	•	<b>-</b>	<b>→</b> 0	• 0	0	0	00	0	0	13	•
ATTU 172-180E		+84	0	•	•	0	0	•	့် င	9	•	0	0 0		0	0	•	0	0	0	•				9	0	•	9	•	0	o c	•	9	C	•	•		•		0	0
AREA 0010 51-55N	FT)	NE 34-47		•	•	0.	•	•	9 0	0	•	0	•		•	0.	0.	•	•	<b>-</b>	7	19		*	0	•	•		•	7.	•	•	•	0	0	•	<b>•</b> •	90	•	<b>~</b> .	1.
ARE/	HEIGHTS (1		0	•	۰.	•	<b>ٿ</b> .	7.	, .	. "	m.	0				0	•	•	0.		1.3	•		66-27	0		-: •	•	•	-:	e, c		. 0	0	•	0		•	°	~	2.0
	SEA HE	11-21		•	•		e.	<b>4</b> -	•	•	•	0	•	9	•	0	•	•	•		2.1		•	17-11	•	4.7	•	•	•	•	•	•	: 0	•	0	•	0		•	<b>,</b>	10.0
	VERSUS	4-10	•		4.	•	•	•	÷ c	0	•	0.	•	9	0	0.	•	0.	•	-	1.8		•	9-1	•	•	: '	9 9	•	•	o c	•		•	0	•	0		•	4	••
JULY BLE 18	DIRECTION	1-3		7	•	•	•	•		•	•	•	9	0	•	•	•	•	•	•	•					•	o c	•	•	•	o c	•	•		°.		9	? •		m ·	•
JUL	(KTS) AND	TOTAL	•	•	Φ.	m i	<b>.</b>	<b>n</b> c	<b>v</b> ~	0	0	0	•	0	0	0	0	0	٥;	7	2.1		1014	10	30	19	5 6	•	~	7	m c	۱ د	0	0	0	0	<b>&gt;</b> C	0		٦,	13.4
	SPEED	48+	•	•	•	•	•	•		•	•	ė,	•	ွ	•	•	•	•	o c	0	°.			•	•	•	•	•	•	•	0 9	9	?	0	•	•	• •	•	•	0 0	•
	OF WIND	34-47	•	•	•	•	•	•	•			•		0	•	•	•	c.	•	0	0		24-47		•	0.	•	•		•	•	• •		•	•	•	• •	? ?	•	0 0	•
	T FREG	N 22-33	•	•						•			•				•		٠,	n I			•	6 3		7.											90	•		-	
69	2		•	•					•				•		•	•	o	•	0.5	→	2.7		_	7 - 1	•	2.3	•	• •		•	7				•		•	•		20,	•
1963-196		4-10								•							•	o.	• •	-	1.4		01-7	•	2.3	<b>س</b> .		0	•	0.0	ءُ و	0	•				•	0	0.1	2 2	•
MARY)		1-3	-:	-:	•	•	•		9	•	•	o c	•	0	•	•	0	•	o c	9 (	<b>.</b>		1-2	•	ε.	၀	2 9	0	•	0.	9 9	0	?	°.	•		? ?	•		0 L	•
OD: (PRI)		HGT	7	1-2	3-6	910	- B	10-11	12	3-1	17-19	2-0	6-9	3-4	1-4	9-6	1-7	1-8	+ 20	J 1	134		101	₹ 🗸	1-2	3-6	2.0	8-9	10-11	7,	7-1	0-2	3-2	6-3	3-4	\$ = T	61-70	1-8	87+	L P L	5

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		101 5701	
/ YOU THE OUT	トレゼロマとして	VENED. ALL	
	-00143		

																								GRAND	TOTAL	200	205	104	64	25	==	12	17	ຊີ	<b>v</b> (	0	0	0	0	0	0	•	100.0
80E			17	28	45	56	n 1	n c	•	0	0	0	0	0	0	0	0	0	0	0	-1	6.11		TOTAL	•	2	15	50	7	~	0	0	0 0	<b>o</b> 0	•	•	0	0	0	0	<b>()</b> (	9	7.1
ATTU 172-18(			•	•	•	•	0 0	÷ 0	•	•	•	•	°.	•	•	0	•	•	•	• •	0	•		+8+	Ç		0	•	•	c.	•	•	o o	•	•	•	•	•	°.	•	•	•	o o
0010 55N	FT)	H.		•	0	•	• ·	•	0	•	•	•	•	•	•	o.	•	•	•	•	<b>o</b>	?	2	34-47	0	0	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	o o
AREA (	HEIGHTS (F	50-00	,			•					ò	c.	•		•					• :		•	2	22-33	Q	0										•			•	•	9	•	90
	SEA HEI	11-31		•	3.9	•	• "		•		•	°	ې	•	•	•	•	•	•	0.7		•		11-21	0		1.3	•	٠,				•	•		•	•	•	•	•	•		3.8
	VERSUS	9174	2.1	2.1	1.6	ů.	•	•		0	•	•	•	•	•	0,1	•	•	•	0 6		•		4-10		1.6									•		•		•				3.1
<b>60</b>	IRECTION	7		•	o.	•	•	•	? ?	•	•	°.	•	•	•	•	o (	္	•	٠ •	4 6	•		1-3	1.		•	•	•	•	•					•	•	•	•	•	• c	• -	• -:
JULY TABLE 1	AND DIR																																										
	(KTS)	TOTAL	)	36	37	62	2 4	14	- 10	5	•	~	0	0	0	0 0	<b>&gt;</b> (	> 0	<b>&gt;</b> 0	4		•		TOTAL	60		30		7	0	0	<b>.</b>	<b>→</b> ¢	•	•	0	•	0	0	0 (	<b>o</b> c	2 6	11.7
	SPEED	184	•		•	•				•	0	•	•	•	•	•				•	,	?		48+	•		•	•	•	•			•			•	•	•	•			•	·
	OF WIND	34-67			•	•		? -	• •	•	•	•	•	•	•					•	• -			34-47	•		•	•	•	•	o o						•	•	•			•	·
	T FREG	52-33				1.			6	4.	•		0	•	0	•	•	•	•	200	2 . 8	•	2	22-33	0	0	۲.	4.			9 (			9		0				<b>°</b> (			ه ه
6	2		1	•	4.0	•	• (	: -	4	ů.	ů.			•						9.6		•		11-21	•	•	3.0	•	-	•	•	•	2 9		0	•	•	•	•	o c		4	6.1
1963-196		-	Ϊ.	•	•			0	0	0		•	٠,	ģ		•	•		•	41	5.8	•		4-10	8	2.5	•	•	o e	•	•	•	9	•	0	•	°.	ဝှင					4.5
PRIMARY) JVER-ALL)		-				•			•	•	•					•		•			*			1-3	.3	•	•	•	•				20			•						7	
OI (PRIM		HGT	₽	1-2	3=4	200	0	10-11	12	3-1	17-19	7-0	7-6	9 1	5 1	¥ = 0	, ,		474	TOTAL	PCT	•		HGT	_	1-2	3-4		-		11-11	1 1	7-1	0-2	3-2	26-32	3-4	1-4	01	1 - 1	87+	-	0

PERIODI

AREA 0010 ATTU 51-55N 172-180E

PAGE 558

	(FT)	+8+	•	•	•	•	٥	•	0	•	•	•	•	•	•	•	•	•	•	•	0	0	•
Ĺ	HE I GHT	34-47	•	•	•	•	•	•	•1	.1	•	•	•	•	•	•	•	•	•	•	•	ED.	4
TABLE 18 (CONT)	VS SEA	22-33	•	•	1.2	1.2	2.5	1.8	9.	Φ.	1.3	6.	۲.	•	•	•	•	٥.	•	•	•	08	10.3
TABLE	(KTS)	11-21	•	10.1	18.5	11.6	9,6	1.0	•	•	6.	4.	~•	•	•	°	•	•	•	•	•	370	47.7
	SPEED	4-10	8	14.2	6.8	•	•	e.	•	•	•	•	•	•	°.	o.	•	°.	•	•	•	232	29.9
	MIND	6-0	10.7	6.	•	•	•	•	•	0.	•	•	o.	٥.	•	•	٥.	•	•	•	•	90	11.6
		НСТ	₽	1-2	3-4	2-6	_	8-9	10-17	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	418	TOTAL	PCT
1963-1969																							
(PRIMARY) (OVER-ALL)																							

1

TABLE 19

	MEAN	- M	5	•	∞	10		0	m	
	<b>TOTAL</b>	369	260	171	7	m	0	198	1008	100.0
	87+	•	•	•	•	•	•	•	0	•
		•	•	•	•	•	઼	•	0	•
	1-70	•	•	•	•	•	•	•	0	·
	49-60 61-70 71-86	•	•	•	•	•	•	•	0	o.
<u>.</u>	11-48 4	•	•	•	•	•	÷	o.	0	o
(SECONDS)	1-16 17-19 20-22 23-25 26-32 33-40 41-48	•	Ģ	•	•	•	•	°.	0	°
	26-32	0	•	•	•	•	• •	•	0	•
WAVE PERIOD	23-25	•	•	•	•	o.	•	•	0	•
<b>&gt;</b>	20-22	C.	7.	•	•	·	°	•	7	•5
HEIGHT (FT)	17-19	•	*	۰.	•	•	•	•	12	1.2
	13-16	1.	1.2	1.2	.2	o.	•	•	27	2.7
OF WAVE	12 13									
FREQUENCY OF	10-11	1.0		1.5	~		°	•	28	2.8
		1.0	1.9	1.8	•	•	o.	•	47	4.7
PERCENT	_	1.7	4.5	2.3	~	•	•	•	80	4.
	2-6	5.4	6	2.7		•	•	7	158	15.7
	3-4	14.3	0.	5.9	0	•	•	•	274	2.7.2
	1-2	10.6	7.7	m.	•	•	•	•	137	13.6
	₽	2.3								
	PERIOD	; e'.	-	6-6	11-01	12-13	<b>&gt;13</b>	INDET	TOTAL	10

100 - 001 TOTAL UBS OTHER WEATHER PHENDMENA FDG SMOKE DUST NO WD HAZE BLWG DUST SIG PCPN BLWG SNOW WEA 000000000000000 WEATHER OCCURRENCE BY WIND DIRECTION 000000440044000000 ....... TOTAL PCPN OBS HAIL PCT FREQ PCPN AT OB TIME 90 PERCENTAGE FREQUENCY PRECIPITATION TYPE IL FRZG SNOW OTHER PCPN FRZN PCPN DRZL RAIN 0000004404400400000 RAIN 4401004861440000000 NNE NNE SSE SSE SSE SSE SSE SSE TOT TOT TOT TOT PCT WND DIR

TABLE

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

	TOTAL 085	523					
	HENA NO SIG	47.6	49.3	54.0	48.3	926	9-67
	OTHER WEATHER PHENDMENA FOG SMOKE DUST NO WO HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	.2					
	ATHER E BLW						
<b>2</b>	ER WE SMOK HAZ	1.1	1.2	•	•	15	•
			32.7	56.4	33.0	611	31.7
LORRENC	THDR	•	•	•	•	0	C
שושבו חב	TOTAL PCPN DBS	91	48	81	68	345	
THE THE PRINCE OF BEHINDS DECORRENCE BY HOUSE	PCT FREG PCPN AT OB TIME	17.4	16.8	19.6	18.1		17.9
	HAIL	•					
1	TYPE THER FRZN PCPN	•					
	PRECIPITATION TYPE L FRZG SNOW OTHER I PCPN FRZN PCPN	0	•	•	•	0	0
	RECIPI FRZG PCPN	0	•	•	•	0	•
	DRZL	7.5	8.5	12.5	<b>3</b>	174	0.6
	SHIN	7.	71	•	4 1	-	3.
	RAIN	8.6	4 .	0.0	*	1/1	8.9
	HOUR (GMT)	60300	80300	C1971	17381	10	PCT

			21	2.5	1.9		2.2	3.5	• 80	19.1	12.4	<b>(1)</b>	4.0	0	7.3	100.0											
			18	2.2	3.4	3.1	4 10	9.0	<b>~</b>	13.4	12.4	•	9 6	0	3.7	8		-		<b>-</b> 0	40	<b>,</b> ,	0	<b>,</b> 0	00	w 4	0
	U -180E		15	4.2	2.1	2.1	1.0	N. R.	<b>,</b> •	4		5	7.3	0	0.4	0		~	•	, -	•	17	28.		•	31	100
	ATTU 172-1		(GMT) 12	8 2	۲. ۵	• •	800	24	, 10	5.1	. 4	80	0.00	0	9.6	00 10		18		. w	•		•	. 0		322	•
	0010 55N		HOUR CO	.4 2				-	•		•	1			4 4	10		15		5.2	ë,		•	6	0.0	9.9	0.00
	AREA (		£0	4 0	<b>~</b> ~	<b>u</b> ~	21	w.c		10	10	<b>.</b>	4 W	•	<b>(1)</b>	100		(GMT)	0	5.5	<b>n</b> (	· 60	41	~ @	0	325	0
		HOUR	ŏ	3.1	•	• •			. 6	•		•			3.1			HOUR CO		0.0	-:	•	8 2	• •	0	0 0 0	0.0 10
		BY HO	60	2.9	100	2.0	9.0	8 8	80	14.7	10.8	80	200	•	1.0	100.0		¥ *		הוט	41		9	- + •	0 -	23 3	0 10
		D AND	0	3.0	•			6.0	6	•	• •	2			5.5	0		w	•	ο ο	<b>~</b> a	20	22	9 0	• •	2 0	100
		SPEED									•					7		ö		m	•					100	100
		ON BY																8		9.4	•		•				100.0
		DIRECTION	EAN	1.9	~0	8	22	10	4	2	;	<b>:</b>	2:	•	0.4	•	⋖										
AUGUST	ABLE 3	WIND DI	<b>≖</b> ⊢.g	.1 1.8.1				0 7							ب س	0	ABLE 3	N O	•	• •	۰ ۵		5	0 0	0.0	o •0	
A	2	0F W	P. P.C.	<i>m</i> →	~	4 (7)	W N	5 1		 	7	<b>W</b> 1	n m		4	100	Ţ	# S	12	12			12	17	•	11	_
		FREQUENCY	TUTAL OBS	44	9 6		- 6	119	0	~ -	-	2	7		2387			PCT	4		o c	0	24.	9	.0	•	100.0
			<b>+8+</b>	•••	0.0	Ô	• •		•	•			•	•	c	0		TOTAL Obs	1.8	107	155	461	583	204	0 601	2384	
		PERCENTAGE	4-47	-:0	00		* ~		.2	7.	0		*	0		6		41+ 1	ç		o #	*	0,0	0	•	7	
		PERC	33 3	44	<b>س</b> د		4 ¢	<b>س</b> و.	6.	n c	.2	٥,	, w	0	~	4		10TS)	14	7	·.	6.	9.		0	7.4	۲.
	144-1969 126-1969		EED (							<b>-</b> -						•		28 8									m
	19		IND SP 11-21		1.1		2.3	2.4	3.4	9 6	4.5	1.8	1.3	•	0	37.6		SPEED 17-27	1.1				0° 4	• •	•	4	20.2
	ARY)		4-10	1.4		• •		1.8	**		•	•	• •	•	~	38.6		WIND 7-16	2.1	2.3	. IC	0	12.8	6.4	•	1162	
	(PRIMARY) (OVER-ALL)		0-3	v;	, d		J. 60		•	9. F	1.1	ů,	. ~	•	320	3.4		9-0		4.		7	4.4		• •	665	6.
	PERIODI		DIR						_						88	CT 1		DIR								Se	5
	PER		QNM	ZZ		m d	5.00 5.00 5.00	SSE	551	ENE ENE		Ž	Ž	<b>X</b> :	TOT	0		ONM	z	Z	SE	S	נמ	. 7	4	TOT	5

*i*.

							TOTAL OBS	45	30	33	50	8 6	174	129	210	177	100	48	61	5 C	1555	100.0
					4/8)		NH <5/8	· ·	-5	4 60	ů ú		بر د	œ •	0.0	6.2	1.4	1.0	F. 5	ş 0	217	14.0
BOE					(FT.NH >4/8	N O	8000÷	•	0 -	; ;	0	0	0.5	•	0.0	•	0	.1	•	• •	, 10	6
ATTU 172-180E						IRECTION	6500 8	۲.	0,0	0	0.0	0	0,0	0	0-	0	٠.	prot (	٥	20	4	.3
AREA 0010 51-55N					HEIGH	WIND D	5000		- C	•	2.0	7	000	•1	٠, س ر	:	•		0,0	• •	91	1.0
AREA 51-		<u>.</u>	40554		CEILING HEIGHTS	<5/8 BY	3500 4999	.1	0	::	.0.	0	0.	•	- "	9.	4.		-: •	2	00	3.
	_	TOTAL) OBS	564 653 421 636 2384	LE 6	96	NH <	2000	4.	. 4	. n	0 10	.2	1.0	80	1.3	2.3	6.	1:1	, c	'n	203	13.1
	(GMT)	PCT FREQ	1000.0	TABLE	FREQUENCY	ACE OF	1000	6.	00		œ 0	1.5	3.2	2.4	3 00	2.5	2.1	1.4		1.4	417	26.8
	BY HOUR	MEAN	11.3 11.0 12.9 11.7			OCCURRENC	666	7	0 4	, m	7. 9	2.	ن ر.	1.5	9.1	80	80	.2	- 0		145	6
٠	SPEED B	CALM	4 W W W L 4		PERCENTAGE	AND OC	300	7		0	1 2	m,	<b>1</b> m	e.	• •	6	۲.	٦,	70	20	52	3.3
TABLE	S QNIM	KNDTS)	000000		PE		150	0	0 0		• •		٠.	0	:-	0	•	0.0	٠ د	20		
	-	SPEED (1	2.00				0000	5.		5	1.0	2.5	. 4 . 8	2.3	4.6	2.0	۰,	7.0	7.7	٠ د د	443	28.5
	FREQUENCY	MIND 22-33	8.1 7.7 11.9 11.0 225 9.4																			
	PERCENTAGE	11-21	36.7 95.2 96.9 97.8 97.8		(EIGHTHS)	2	CLOUD	7.3	0.6	7.8	7.9	7.9	7.7	7.5	7.2	6.8	6.8	7.2		7.0	7.3	
	PER	4-10	99.09 96.6 96.6 96.6				TOTAL C	75	200	33	570	18	174	129	140	177	100	48	<b>1</b> C	52	1555	0.0
		1-3	10.2 9.8 9.0 217	<b>S</b>	CLOUD AMOUNT	ECTIO	2	0.4			, rv									•	0	7
1944-1969 1926-1969		HOUR	00503 06509 12515 18521 70T PCT	TABLE	כרפחם	WIND DIRECTION	3 8 7 0850	٦,	-4 <i>14</i> 0	(	u m	'n,	* 0	•	-	_	m r	n c	4		12	78
		_	8837		TOTAL	BY WI!	5-7									~				•		13.
PRIMARY) Over-all)					96		3-4	0,	•	0.		0,0	9 0	(9)	. 2	9.	ů.	. ·	.0	.2	47	3.0
-					PCT FREG		0-5	2.0	• •	•			. 2.		* 60	1.2			. 0		80	5.1
PERIODI					ā		WND DIR	z		ENE	ESE	S. C.	, S	XSS	E NE	*	3 Z	Z 2	7 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	CALM	TOT 085	TOT PCT

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AREA 0010 ATTU 51-55N 172-180E
TABLE 7
PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1926-1969

CUMULATIVE PCT FREG OF SIMULTANEDUS OCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

	# 0X	•	0 1	1.4	17.9	45.2	54.5	57.9	58.2	85.7	1323
VSBY (NM)	- DR	•	0.1	4.7	17.9	45.1	54.4	57.8	58.1	84.4	1303
	- OR >1/4	9	0 1	4.1	17.9	44.7	53.9	56.6	56.8	73.2	1129
	* UR >1/2	9	D 1	4.1	17.8	44.0	52.8	55.3	55.4	63.3	916
	# # 7	•	0 1	1.4	17.5	43.3	51.8	53.9	54.1	60.2	929
	- 08 22	9.		4.0	16.7	40.1	47.7	49.3	4.64	52.9	817
	# 0 %	9	<b>5</b> • • • • • • • • • • • • • • • • • • •	4.3	15.7	34.5	39.8	40.4	40.4	6.14	244
	* UR	m,	•	2.1	8	14.1	14.8	14.9	14.9	15.3	236
	EILING (FEET)	>6500									TOTAL
	0.0		5		8	. O.		• 8	S	90	

TOTAL NUMBER OF OBS: 1543

PCT FREQ NH <5/8: 14.3

TABLE 7A

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

TOTAL

1 2 3 4 5 6 7 8 08SCD 08S

5.7 44.8 27.0 1619

6.2

2.5

2.5

2.1

2.3

0 2.5

		PCT	3.0 20.3 23.2	4 N N	100.0	5.3 13.6	26.1 28.1 28.6	19.0	100.0
		TOTAL	379 435	44	90 105 195	100	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	356 367	1871
		CALA	.17	011	000	-4.0		1.3	3.6
30E	-	VAR	000	000		000	000	000	00
ATTU 172-180E	PRECIFITATION	Z	0.7.6	77.7	4.14	755	1.1	0.6.4	3.3
0010 5N	RECIF	Z	ono	000	22.7	11.42	1.8	1.8 34	95
AREA 0010 51-55N	m 0F	Z	1.4.0	0.1.4	44.0	-779	2.6	1.1	105
	UKRENC	3	1.2	040	19.82	1.0	6.09	3.7	207
	NON OCCURRENC SIBILITY	M S M		7.4.1	1.00	* • • N	2.03	1.2	164
목 	8.	S	5.73	19.6	1.2	31.0	9.50	2.1	272
80 W	URRENC	NSS	1.3	10	2.98	.7	2.5	1.0	160
TABLE	ON VS OCCURRENCE VARYING VALUES OF	s		200	7.2	30		1.0	232
	TT.	SSE	2.14	 	444	4.00	2.05	15.	5.3
	ID DIRE	SE	1.7	11.0	1.3	55.0	1.1	044	5.7
	OF WIND	ESE	8.68	n	44	10	.1.7.7.15	040	9.4
	FREQ	ш	1.9	e	81.9	0.4 W	0.6.91	., , , , , , , , , , , , , , , , , , ,	3.3
	PERCENT	ENE	6.51	000	 הייש	11.0	1.6.1	0 11 10	34
1969	<b>a</b> .	Z W	094	01.0	, , <b>.</b>	470	13.6	1.0.1	3.2
1944-1969 1926-1969		NN	1.0.4	4.1	4.13	w	1.67	046	1.5
(PRIMARY) (OVER-ALL)		z	 4.80	000	511	222	0,00	1.00	2.9
ERIOD: (PRI (OVE			PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
PERI		VSBY		1/2<1	7	2<5	5<10	10+	

		PCT	•		18.8	•	• •		3.9		•	2.3	•	•	w 4	• •	•	2	11.6	2	•			1.3	•	100.0
		TOTAL	4		29		31	31	16	21	72	5 40	220	<b>SO</b> 1	124	14		•	251	•	657	~	255	31	297	2348
		CALM	•		15		:		m	.2			10	6.			20				19	1.7		,	•	103
	9 9	VAR		000	00		•	•	• •	•		•			o c	•	0		• •		0		00	0.	0	00
ATTU	72-1	Z			0.0		*	*	# M	•		<b>∵</b> *	•		7		6	* 1	. n	2	23	7	m 4	7.	77	3.2
0010	Z in	Z		.2	0.01		*	•	• <b>~</b>	*		- * •	6	*	7.	*	12		. 0			•	1.0	# (	*	124
AREA	6	3 2 3	*		Ó.		•	# (	• -	*		7.	2	*	7.	::		•	1.2			•				125
	D SPEE TY	3	7	ů n	* 9	*		7.	.0				20		o v			•	1.1	•	63	•	7.	e. (	`	265
	VS WIN SIBILI	MSM			35			m t	* =			<b>1</b> M			J. K.			•	1.4.	•				-:		206 8.8
	CTION OF VI	NS			2.5		6	4	1,5			• •		•	7:1		69	•	1.9	•		•		7		369
LE 9 ND DIREC Values	MSS	7,	•	•.1 37	*	7	÷.	201	*	2.4	· m	22	# \	יי ל	6	31	•	70.	•	61			- C		190 8.1	
	TAB OF WI RYING	v	•		2.0				27	•	•	m	31	7.	• •	7	8	•	10.	•		•				264
	FREG ITH VA	SSE		1.4	0.4		?	* 1	• 0	*		:*	•	∹'	٠, ٥			# (	NW					٦,		5.1
	PERCENT	SE	۲.	1:1	4.7	*	*		, ~		٠,٠		12	<b>.</b> .	• 10	7	23	7:	- 6	-:	31		<b>1</b> M	0,5		131
	•	ESE	7.	. ~	23	c			• m	•	* 1	• -:	4	* -	- e	::	11		ţ.:	•	12	*	, n	0 %	•	3.0
		w		:	9.0		*		, w	*	4	٠,	7	∹.	::		٥		. 2		20	6	• m	0.5		83 3.5
		ENE		: *	0.0				•	#	* 4	0	M	0.1	* *	•	7	0.0	9	•	13	*	·*	٥٠	•	37
6961	6061	m M		'n	12	0		٦.	. w	*			٥					*	, w		12		ů.	0.		69 2.9
1944-1969	10761	N N	0.	<del>.</del> .	0 4	*		<b>-: 1</b>	4	•		?:	4	•	: *	7.	'n		<b>.</b> •	• 5	13	-	, w	0.5		1.8
3		z				0		o c	••	*		·m			? -	-	14	•	 	*	2		o m	* 0	,	3.5
1 (PRIMA		SPD	1 (1)	1-21	22+ TOTAL	Ę,	-10	1-21	TOTAL	£-3	-10	22+	OTAL	6.	1-21	22+	DTAL	6	11-21	**	OTAL	e .	1-21	2+ 0TA:	1	TOTAL PCT
PER 1001		VSBY		4	νF	Ó	1/2<1 4	<b>→</b> c	νF		142 4	70	F	,	9	~	F		1 0175	~	-		+	7 F	-	-
		S 2		;			1/				-			r	4			•	11				-			

ATTU 172-180E		TOTAL OBS	419	390	378	165	1578	
AREA 0010 51-55N	9	NH <5/8 ANY HGT	14.8	14.1	14.3	13.3	223 14.1	
AR	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	85.2	85.9	1.58	1.38	1355	
	EET, NH OUR	<b>8</b> 000 <b>0</b>	•2	<b>.</b>	e.	ı.	พพ	
	4TS (F	6500	.2	.5	6.	•	4 10	
10	G HE I GH NH <5/8	G HEIGH NH <5/6	5000	1.0	1.5	.3	1.3	16
TABLE 10	CEILIN CE OF	3500 4999	5.4	3.3	5.4	4.1	4 °	
	CY OF CURREN	2000	13.1	12.6	13.0	13.3	205	
	REQUEN	1999	10.3 25.3 13.1	28.2 12.6	54.9	29.5	424	
	CENT F	009		10.8	0.6	6.9	146	
	PER	300	4.5	3.3	5.9	2.3	3.3	
		150	.2	u.	₩.	•	n n	
6961		0000	27.9	25.1	32.0	29.5	450 28.5	
1944-1969 1926-1969		HOUR (GMT)	60300	60390	12615	18621	PCT	
PERIOD: (PRIMARY) (OVER-ALL)								
PERIODI								

	AND/OR	TOTAL OBS	408	381	367	387	1543
	HOUR	NH <5/8 AND 5+	12.5	12.6	12.8	11.4	12.3
	VSBY	AND					
TABLE 12	GES OF NH >4/8	<pre>&lt;600 &lt;1000 1000+ &lt;1 &lt;5 AND5+</pre>	35.8	36.5	29.5	36.4	533
	OF RAN	<1000 <5	51.7	50.9	37.9 58.0	52.2	820
	FREQ	<b>6600</b>	34.8	31.0 50.9		33.9	530
	IVE PCT	<150 <50YD	26.5 34.8 51.7	6.42	31.1	18621 28.9 33.9 52.2	429 530 820 27.8 34.3 53.1
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	HOUR (GMT)	60300	60390	12615	18221	T01
		TOTAL OBS	408	381	367	387	1543
	Y HOUR	10+	24.8	24.7	20.7	24.0	364
	(NM)	5<10	31.9	33.3 24.7	27.8	29.5 24.0	473 364 1543 30.7 23.6 100.0
TABLE 11	CY VSBY	2<5	10.3	4.4	16.6	12.4	188
•	FREQUEN	1<2	6.9	7.3	7.9	8.5	118
	PERCENT FREQUENCY VSBY (NM) BY HOUR	1/2<1	4.2	3.1	3.3	2.1	4.5
	•	<1/2	22.1	21.8	23.7	23.5	351
		HOUR (GMT)	0000	60390	12615	18621	101

			CALM	•	7	1.3	1.9	•	•	9	4.2	!			GTAL OBS	619	404	210	015	443	
		<u> </u>	VAR	0	0	•	0	0	0	0	•			oc.	z	-	_	•	2	7	
		BY TEMP	<b>3</b>	٠.		m,	•		.2	0		•		BY HOUR	MEA			Ò			
		*	0	(1)	•		4 6	ø		7 7.				90-100	61.3	64.4	76.2	68.5	928		
ATTU 172-180E		WIND DIRECTION	3			9	iA	7		7	15			RELATIVE HUMIDITY	68-08	5	3	18.6	3	337	
	LE 14	GNIM	S		•	2.	11.	11.	•	37	25.		LE 16	ATIVE				4.3		1	
55N	TAB	O.F	S	0	.2	2.0	8.7	11.3		320	22.3	ı	TABLE	OF SEL	70-79	_					
AREA 51-5		FREQUENCY	SE	0	, ,	1.1	4.0		•	Ð		•			69-09		1.7	°.	2.0	56	
			w	ç		4	1.3	5.9	.2	69	4.8			FREQUENCY	30-59		1:0	1.0	٠.	=	
		PERCENT	Z Z	o,		15	1.2	9.1	5	54	3.8			PERCENT	0-29	•	•	•	•	0	
			z	0	· •	٠	1.6	1.5	•2	62	4.3			ā		60300	60390	12615	18621	<b>1</b> 01	
		č	FRE	.2	0.1	10.4	38.1	6.74	2.1	103.0											
			0 085	E4)	27	149	547	619	30					HOUR	TOTAL	653	649	422	618	2342	
		/ TEMP	90-100	0		3.3	5	36.7	-	955	9.99			F) BY	MEAN		•	18.2	•	ċ	
		ITY BY	80-89	0		3.6	11.2	~	.7	332	23.1			(DEG	NIM	0	0	36	_	Φ.	
		HUMIDITY	51-01	1,	1.1	2.7	1.0	2.3	4.	111	7.7			TEMP	1%	43	43	43	43	63	
	ABLE 13	RELATIVE	. 69-09	.1		•			•	79	1.8			LES OF	<b>3 8</b>	45	45	45	45	4 N	
696	TAE	OF REL	20-29	0	-	7	0	4.	•	01			TABLE 15	RCENTILES	50%	50	20	48	20	20	
1944-1969		FREQUENCY	40-49 5	0	0	•	۲.	0		-	٦.	!	4	AND PE	×	99	29	54	55	27	
			30-39 40	0	0	•			•	0	0				8 95	63					
(PRIMARY) (OVER-ALL)		ERCENT	0-29 30	0	0	0	0	•	•	0	•			MEANS, EXTREMES	66 ×						
ERICOI		ď	•	6	4	59	4	•	4	_				MEAN	MAX	99					
PER			TEMP	65/6	9/09	55/59	50/5	42/4	4/0,	TOTA	PCT				HOUR CENT)	60300	06609	12615	18621	T01	

PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1926-1969

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F AIR TEMPERATURE (DEG F) AND THE DCCURRENCE OF FOG (WITHOUT PRECIPITATION)	
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TABLE 17

FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)	
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AREA 0010 ATTU 51-55N 172-180E

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≖	7	•	•	-:	9.	1.1	1.9	1.9	3.2	5.9	3.5	0.9	3.7	5.0	1:1	60	4.	•	.1	۲.	550	35.2
T0T	•	• •	•	7	64	99	96	76	119	128	159	298	192	319	73	74	15	19	7	e	1707	100.0 32.2
6 6 8	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	<b>-</b>	•
61	-	•	٧.	٦.	.1	•1	•	0	•	•	•	•	0	•	•	•	•	•	٥.	•	7	4.
57	ç		•	.2	1.3	.7	.2	7.	•		•	•	•	•	•	•	•	•	•	•	48	2.8
53 56	0			7	٥.	1.6	2.5	•	1:1	1:1		1.7	*	•		•	•	•	•	•	193	11.3
52																			-			
4 7 8 8	Ç		•	•	•	•	٠.	9	2.0	3.5	5.5	10.0	7.7	9.8	3.0	5.9	•	6	•2	7	196	46.6
14																						
AIR-SEA TMP DIF	20/22	17/10	67//7	14/16	11/13	9/10	1/8	9	2	4	m	7		0	7	-5	<del>-</del> 3	4-	-5	9-	TOTAL	PCT

PERIOD

	AUGUST		
PRIMARY			
OVER-ALL) 1963-1969	TABLE 18	51-55N	172-

## COLUMN SPECD (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)  ## COLUMN SPECD (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)  ## TOTAL	PRIMARY)	1963-1969	69				000 F				ARE	EA 0010	ATTU 172-1805	ų.
N	,		Δ	TFRE	GNIN	EED	- <	IRECT	VERSUS	EA HE	` ທ	£ £	ų.	4
11-21   N-2-33   34-47   48+   70744.   1-3   4-10   11-21   22-33   34-47   48+   70744.   1-3   4-10   11-21   22-33   34-47   48+   70744.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   22-33   34-47   48+   70748.   1-3   4-10   11-21   11-21   2														
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FRIMAN (OVER-			HG.	→	7-1		~	8	10-11	15	3-1	7-1	20-22	200	0 .	304	\$ - T	9-6	1-1	1-8	87+	<b>⊢</b> •	9			5	7	1-2	3-4	9-6	-	8-8	10-11	77	3	-	0-5	23-25	2 - 0	1 1 1	4	1	1	87+	TOTAL	PCT	

ATTU 172-180E

AREA 0010 51-55N

(FT)

(KTS) VS SEA HEIGHT

WIND SPEED

TABLE 18 (CONT)

PERIOD: (PRIMARY) (OVER-ALL) 1963-1969

FREQUEI JY OF

PERCENT

74-4

71 1-2 3-4 5-6 10-11 10-11 10-12 20-22 23-26 41-48 41-48 41-48 41-48 71-86

49-60 0000000000 8-9 10-11 7 27.4.1000 EL 18.2 9.4 1.1 1.1 0.0 306 28.7

15.9 3.0 7.7 10.0 19.7

1.00 0.00 1.40 1.70 1.70 1.70

MEAN HGT 93

499 304 103 103 158 1068

00000000

000000000

		TOTAL	1996 756 756 1099 1099 1099 1099 1099	TOTAL	371 365 311 358 1405
U -180E		ENA NO SIG	00m1mm0100400000 0000 000010000140010000000000	ENA ND SIG	67.9 71.2 77.3 65.6 989 70.4
0010 ATT 5N 172	N	EATHER PHENDMENA KE DUST NO ZE BLWG DUST SI BLWG SNOW WE	0.100000000000000	THER PHENDMENA DUST NC BLWG DUST SI BLWG SNOW WE	400044
AREA (	RECTION	ER WEA'SMOKE	HOUNT OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE OF THE CASE O	SMOKE HAZE	4.4.0 B.1.8
	MIND DI	D D D O	± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±	DTHER FOG SI WO F	11.5.4 11.5.4 11.5.4 11.5.4
	<b>6</b>	THOR	CC CC CC CC CC CC CC CC CC CC CC CC CC	THOR	000000
	OCCURRENCE	TOTAL PCPN 08S	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TOTAL PCPN OBS	2 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME	H	PCT FREQ PCPN AT OB TIME	16.2 16.5 16.1 22.1
		HAIL	RE CO CO CO CO CO CO CO CO CO CO CO CO CO	HAIL	000000
	FREQUENCY	TYPE OTHER FRZN PCPN	O O O O O O O O O O O O O O O O O O O	TYPE THER FRZN PCPN	000000
	ENTAGE	SNOW	00000000000000000000000000000000000000	TATION SNOW U	000000
	PERCI	RECIPIT FRZG PCPN	000000000000000000000000000000000000000	RECIPI FRZG PCPN	200000
		DRZL	04400044004-0-0-0-	PL	4020
1944-1969		SHIN		RAIN	2.00
		RAIN		RAIN	10.2 10.0 10.1 133 9.5
(PRIMARY) (OVER-ALL)		WNO OIR	N N N N N N N N N N N N N N N N N N N	HOUR (GMT)	00603 06609 12615 18621 701
PERIOD:					

1 1

			8	227.62	1 W W → 4 W I	00 00 00 00 00 00 00 00 00 00 00 00 00	
			7	80440	46466	440	7
	ATTU 172-180E		15	\$ \$ \$ \$ \$ \$ \$ \$	90004	100 100 100 100 100 100 100	8 000000000000000000000000000000000000
			(GMT)		N 4 W N N N N N N N N N N N N N N N N N	000 W 000 W 000 000 000 000 000 000 000	N
	A 0010		HOUR 09	O W W W 4		444400400 444400400	# # 9 5 5 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	AREA 51-		90	L000L		0,000,000	
		HOUR	6			11. 10. 10. 10. 10. 10. 10. 10. 10. 10.	H 11 10 10 10 10 10 10 10 10 10 10 10 10
		AND BY	0	Q+ (A) @ ⊶ tV	40-04	100 100	0 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		PEED A	00		4 M ~ O M		21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		BY S					40 11 11 11 11 10 10 10 10 10 10 10 10 10
œ		DIRECTION	SPD	6000m	***	<b>146466</b>	4
EPTEMBER	TABLE 3	NIND D	F &		M41.40.	1-0mmmor 0	8
SEP	1	0F W1	P P	D-4 IV VIIV	440041	100	F WO 4 WIND VAND W
		QUENCY	TOTAL OBS	181 86 110 101 101	103	125 125 172 123 123 1927	F R W L D D W W U W W L D D W W W W W W W W W W W W W W W
		E FREQ	<b>4</b> 8 <b>+</b>	00000	00000	1110000 MN	101 AL. 1567 LESS LESS LESS LESS LESS LESS LESS LES
		ERCENTAG	34-47		141100		+ 000400400
	66	PER	D (KNOT			13.66 1.00 1.22 1.22 1.24 1.24	KNDTS 28-40 1.9 7.7 1.0 1.0 7.1
	944-196		D SPEE 1-21				7 40 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	(IMARY) 1 (ER-ALL) 1		4-10 1				1
	(PRIMA		6-0	6,0014	-4-1-m4	M4 NB 00 P P M	0
	ER 1001		DIR		M W W M M M M M M M M M M M M M M M M M	07 - 00 - 00 - 00 - 00 - 00 - 00 - 00 -	O SZWNSSWAT P
	•		N	<b>2 W</b> (	w 97 91	* * × > 400	2 2 3

PAGE :72

**b** .

														TOTAL OBS	126	58	69	30	75	61	70	44	4	77	101	157	06	108	۸ (	3 4	1316	100.0
											>4/8)			NH <5/8 ANY HGT	2.1	·.	1.0	.2	<b>60</b> (	0,	0 1	α.	1.0	1.4	5.9	2.4	2.8	2.2	0.0	2.	352	26.7
ATTU 172-180E											(FTJNH >	į	N O	8000+	•	•	•	•	0	•	9	-	•	0	2	•	-	•	•	? -		4.
ATTU 172-													DIRECTION	6500	.2	•	٦.	•	-: 1	•	9	0	0	7.	٦.		•		•	? :	•	.7
A 0010											S HEIGHTS		MIND	5000	•	•	•	•	•	9	•	Ċ	0		7	7	0	7.	•	•	-	٠.
AREA (		S A	36	48	52	491	27				CEILING		<5/8 BY	3500	•~4	•	0.	0	m .	: (	2 '		•	.2		*	7.	Ů-	: <	. 7	30	2.3
		TOTAL 08S					~			) FE 6	P		Z	2000	1.6	1.3	1:1			Ů.		1.0		6.	2.0	2.2		• •		) m	211	16.0
	4 (GMT)	PCT				100.0		100.0		TABLE	FREQUENCY		4C F OF	1999	3.1	1.4	1.6		1.5	5.7	1.7	9.0	1.1	2.5	2.1	2.3	1.7	3.5	7.7	1.3	416	31.6
	BY HOUR	MEAN	13.8	13,3	14.8	13.4	13,8						CCORRENCE	069	1.1	• 5	4.	•5	1.2	ů	, .		4.	.3	m (	1.2	:	. 4		•	121	
4	SPEED B	CALM	3.4	2.7	5.6	6.1	72	3.7			PERCENTAGE		AND UC	300	6.	7	ů,	2.	2.	• •	20		7	•2	2.	7.	٠,	:-	• •	20	27	2.1
TABLE	NIND SI	KNDTS)	.2	7.	m	٥.	e	.2			PE			150	•	•	•	•	•	٠,	1-		•	°.	•	•	•		•	20	2	
	9	PEED (	2.8	2.0	3.4	5.6	51	5.6						0000	1.1	9.	œ.	4	1.1		•		.5	.2	ů,	6	* "		•	? -	136	_
	FREQUENCY	MIND S 22-33	14.7	17.5	14.8	14.3	297	15.4																								-
	PERCENTAGE	11-21	38.8	32.3	41.8	37.5	716	37.2			(EIGHTHS)		IEAN	LOUD	6.9	7.4	7.0	1.1	0,		7.0	7.2	6.7	9-9	6.1	5.5	8.0	. v	, ,	• • •	9.9	
	PERC	4-10	32.8	36.5	35.8	32.4	661	34.3					1	AL CL S CO	56	28	69	9 9	0:	7 5	2 5	54	9+	11	~:	-	2 5	0 0		2 7	91	0
		1-3	6	8.	4.	7.1	127	9.			AMOUNT	70.50	DIRECTION	T01	~										~·	-	•	-			13	100
1944-1969		HOUR	603	60	115	8621	<u>_</u>	<b>F</b>		TABLE 5	CLUUD	9	DIRE	8 £ 085¢D	6.2	3.6	3,1	7	* "	000		3.6	1.7	3.2		000	7.0	7.0		1.5	177	58.5
1944-		모	300	390	126	186	10	2		4	TOTAL C		ON THE	5-7	2.0	•	1.8	7.	•		4	80	1.4	1.9	2.0	۲۰۰	1.7	0 0		1.0	330	25.1
PRIMARY)											4	í	•	3-4	•	~		•	, ,	, ,	2 2	6	.2	ů,		2.0	•			. ~	96	7.4
-											T FREQ			0-5	œ.	7	~	- 1	7.	• •		.2	.2	5.		2.0		. 4		4	1117	6.8
PER100:											PCT			WND DIR	z	WZ.	Z	ENE	ח ק	200	SSE	S	HS5	NS	303	*	Z	2 2	VAR	CALM	TOT OBS	07 PC

PERIOD: (FRIMARY) 1944-1969 (OVER-ALL) 1904-1969

TABLE 7

AREA 0010 ATTU 51-55N 172-180E

CUMULATIVE PCT FREQ DF SIMULTANEDUS DCCURRENCE DF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

	• OR	2	1.1	1.7	4.0	20,1	52,1	61.4	53.5	63.6	73.0	954
	• OR	>50YD	1.1	1.7	4.0	20.1	52.1	61.4	63.5	63.6	72.7	646
	• 0R	>1/4	1.1	1.7	3.9	19.6	51.5	9.09	62.5	62.6	0.0%	914
0	• OR	>1/2	1.1	1.7	3.9	19.6	51.1	0.09	61.6	61.8	65.7	858
VSBY (NA	= OR	<b>~</b>	1.1	1.7	3.9	19.5	50.3	58.8	4.09	60.09	63.9	834
	• 0R	>5	1.1	1.7	3.9	18.8	48.2	55.7	57.2	57.4	59.1	772
	0R	××	1.1	1.6	3.4	17.2	41.6	47.3	48.3	48.5	49.2	249
	. OR	>10	٥.	8.	1.7	8.6	17.7	20.2	20.5	20.6	20.6	569
	CEILING	(FEET)				-			OR >300			TOTAL
				•	•		•	•	•		•	

TOTAL NUMBER OF OBS: 1306

PCT FREQ NH <5/8: 27.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0 1 2 3 4 5 6 7 8 DBSCD DBS 3.7 4.4 7.1 6.4 4.9 6.2 8.2 7.0 42.0 10.1 1366

AREA 0010 ATTU 51-55N 172-180E TABLE 8 PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1904-1969

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON OCCURRENCE OF PRECIPITATION WITH VARYING VALUES OF VISIBILITY

	PCT	1.7	7.3	3.0	6.5	5.5 7.4 12.9	30.9	34.9	100.0
	TOTAL	23	101	26 15 41	N W W	76 102 178	52 479	15 481 496	1380
	CALM 1	·-	:-	•••	1.02	o iw	1.2	1.2	39
	VAR	0,0	•	000	000	000	000	•••	00
	Z	.1	Φ.	000	446	440	2.2	2.5	92
	ž	0.4		000	44.2	1990	4 8 4	3.0	107
	N N	0.1	4	000	4	2,40	2.1	3.4	92
<b>&gt;</b>	*	-:	12	0.1.0	14.	1.2	6.00	5.4	177
VISIBILITY	MSM	0,4	• •	0.1.1	1.6.0	21.1	9.0	 0.44	107
OF VIS	AS	7.	4		a	.6	1.1	2.0	86
VALUES	MSS	2.4	. 00	000	200	6.0	15.5	0. 6. 13	56
VARYING	S	4	•	4.0	1.01	13	1.3	1.6.1	72
ITH VAR	SSE	• 1	-	4.4.	4:1	w 0.4	6. 4	1.2	51
32	SE	2.		21.4	400	w w &	138	1.3	58
	ESE	4 6	٥		4.1.0	 0. 10	1.1 1.1 18	1.4	4.8
	ш	6	'n	.0.2	4.1.0	1.1	1.5	1.4	74 5.4
	ENE	. 2	4	0		6.47	E. E.	02.	35
	Ä	2 0	4	w 0.4	70.7	4 400	1.8	1.7	71 5.1
	NNE	7.	*	NOW	21.4		1.4	1.2	63
	Z	o in	7	44.0	5.E.L	.7	3.2	3.4	134
		PCP NO PCP	TOTAL	PCP ND PCP TOTAL	PCP NO PCP Tútal	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
	VSBY (NM)	<1/2		1/2<1	142	2<5	5<10	+61	

*

		PCT	40448	40104	11.2.	12.6 4.6 12.6 6.6	12.3 12.7 5.7	5.0 14.3 15.1 4.6	100.0
		TOTAL	5 91 48 27 111	61222	14 41 28 37 120	21 62 88 69 240	58 234 241 109 642	96 271 288 88 743	1901
		CALM		0 0	m •	4. ~	1.4	31	3.8
<b>3</b> 0E		VAR	00000	00000	00000	00000	00000	50000	00
ATTU 172-180E		Z	01448	00000	-00-14	44448	1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	W. W. 94	122
0010 55N		ž	0040	00000		0,4,4,4	6.1	0.1 0.5 0.4 8	175 9.2
AREA 0010 51-55N	EED	Z	01404	00000	4444	101110	0.01.46	 1.4  61	119
	S SP	*	0.1.00	0.10.10	0 0 0 1 1 1	125.45	44.4 6.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	2.2 2.2 2.7 2.7 111	245
	VS W	MSM	75.1.1	00011	0,444	0,0004	1.1	1.0	127
	ECTION S OF VI	NS	04014	0,1110	04414	40448	00007	5.1.6	138
LE 9	ND DIRE	NSS	0.72.0	0.1001	00044	211.631	25.00	25.4.12	78
TABLE	DE WIND	S	4444		-62-11	12221	31.18	794.4	103
	T FREG	SSE	04401	oomon	00014	01142	000004	14.00	52
	PERCEN	SE	00442	00114	140.4	01440	04444	# 2. L . L . L	4.1
		ESE	16219	0.1018	01000	122290	04904	2,466	4.2
		ш	04448	11000	011.00	014.0	3.2	44644	99
		ENE	01004	04004	00444	0-44-4	11.4.2.	0.14.00	2.5
-1969 -1969		N.	04440	011.42	44644	1,4,6,6		1.0	108
1944-1969		NNE	00174	01016	4444	0.1.2.2	1.88.7.68	22222	4.5
(PRIMARY)		z	0-1-0-1-0		44660			2.6.4.	179
RIDD! (PR)		SPD	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	PCT
PERI		VSBY	<1/2	1/2<1	142	2<5	5<10	10+	

SEPTEMBER

	51-55N 172-180E
	TABLE 10
	111) 1904-1969
PERIOD: (PRIMARY	(OVER-ALL

	TOTAL OBS	355	345	302	330	1332 100.0
	H <5/8	23.7	5.62	32.8	23.0	362 27.2
PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	76.3	1.07	67.2	77.0	970
EET, NH JUR	\$000€	9.	9.	.7	0	s n
HTS (FE	6500 7999	9.	6.	۲.	9.	o. 1-
G HE I G NH <5/	5000		•	1.0	e.	L 12.
CEILIN CE OF	3500	2.0	2.3	2.0	2.7	30
CY OF CURREN	2000	18.9	17.1	12.3	14.8	212
REQUEN DC	600 1000 999 1999	2.5 9.6 30.7 18.9	.0 1.2 7.8 31.0 17.1	7.6 29.1 12.3	11.2 34.8	2 27 121 419 212 .2 2.0 9.1 31.5 15.9
CENT F	666	9.6	7.8	7.6	11.2	121
PER	300		1.2	.0 2.6	1.8	27
	150	6.	•	•	.3	22
	000	11.0	8.7	11.3	10.3	137
	HOUR (GMT)	0000	60390	12615	18621	TOT PCT

AND/OR	TOTAL OBS	349	340	562	323	1306
SBY (NM)	NH <5/8 AND 5+	22.9	28.8	30.6	22.0	339
SES OF V.	1000+ AND5+	43.6	45.6	36.4	42.7	542 41.5
OF RAN	<1000	33.5	28.5	33.0	35,3	189 425 14.5 32.5
FREQ	<b>6</b> 000 <b>1</b>	15.5	12.1	17.0	13.6	189
VE PCT	<150 <50YD	10.3	7.9	10.9	9.6	126
CUMULAT	HOUR (GMT)	60300	60390	12615	18621	T01 PC1
	TOTAL OBS	349	340	294	323	1306
BY HOUR	10+	38.7	42.1	35.7	35.9	499
(HN)	5<10	36.4	35.3	38.8	37.5	482
tcy vsby	5<5	9.5	8.5	12.6	13.0	141
FREQUEN		5.7	4.7	4.1	4.6	63
PERCENT	1/2<1	1.7	5.4	5.4	6.	24
_	<1/2	8.0	7.1	6.5	8.0	7.4
	HOUR (GMT)	€0300	60390	12615	18621	101 PCT
	CUMULATIVE PCT FREQ DF RANGES OF VSBY (NM) BY HDUR CEILING HGT (FEET,NH >4/8),BY HDUR	PERCENT FREQUENCY VSBY (NM) BY HDUR <1/2 1/2	PERCENT FREQUENCY VSBY (NM) BY HDUR <1/2 1/2<1 1<2 2<5 5<10 10+ TDTAL DBS 8.0 1.7 5.7 9.5 36.4 38.7 349	PERCENT FREQUENCY VSBY (NM) BY HDUR <1/2 1/2<1 1/2<1 1/2<1 1/2 2<5 5<10 10+ TDTAL B.0 1.7 5.7 9.5 36.4 38.7 349 7.1 2.4 4.7 8.5 35.3 42.1 340	PERCENT FREQUENCY VSBY (NM) BY HDUR <1/2 1/2<1 1<2 2<5 5<10 10+ TDTAL 8.0 1.7 5.7 9.5 36.4 38.7 349 7.1 2.4 4.7 8.5 35.3 42.1 340 6.5 2.4 4.1 12.6 38.8 35.7 294	PERCENT FREQUENCY VSBY (NM) BY HDUR <1/2 1/2<1 1<2 2<5 5<10 10+ TDTAL 8.0 1.7 5.7 9.5 36.4 38.7 349 7.1 2.4 4.7 8.5 35.3 42.1 340 6.5 2.4 4.1 12.6 38.8 35.7 294 8.0 .9 4.6 13.0 37.5 35.9 323

		BY TEMP	VAR CALM	
		10N BY	Z	60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ATTU 172-180E	4	DIRECT	MS	22 10.9 22 10.9 3.4 81 2.54
010 AT	TABLE 14	PERCENT FREQUENCY OF WIND DIRECTION	s	2.2 5.2 6.2 7.2 6.2 7.2 1.31 181
AREA 0010 51-55N		QUENCY	SE	
		ENT FRE	ш	4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
		PERC	Z	7H 5N 0000
			z	11 90.
		į	FRED	100.00
		101	088	22 74 322 747 116 1281
		PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100	39.77 40.2 40.2 40.2
		DITY B	80-89	1112 100 100 100 100 100 100 100 100 100
	3	E HUMI	70-79	1.94 2.04 1771 1.00 1.00
	TABLE 13	ELATIV	69-09	24.00
-1969	-	Y OF R	50-59	~
1944		EQUENC	40-49	
(PRIMARY) 1944-1969 (DVER-ALL) 1904-1969		ENT FR	30-39	
		PER(	0-2	
PER 100 :			TEMP F	60/64 55/59 50/54 45/49 40/44 TOTAL

		TOTAL	378	357	202	349	1286
	HDUR	MEAN	87				
	ITY BY	0-100	46.0	47.6	48.0	47.3	909
•	E HUMIO	6 68-08	31.5 46.0	34.2	39.6	31.5	.4.
TABLE 16	RELATIVE HUMIDITY BY	8 64-04	13.2	12.9	4.0	0	
	NCY DF	69-09	7.1		m n	2.6	9
	PERCENT FREQUENCY OF	30-59	2.1	æ	oʻ.	0	12
	ERCENT	0-29	•	•	o c	•	0
	_	HOUR	60000	60390	12615	17501	בסו
	r HOUR	TOTAL	507	476	275	300	6701
	G F B	MEAN	49.5	44.0	47.8	. 0 .	
	1P (DE	Z	41	<b>;</b>	1 0	0 0	27
	OF TEN	1%	64	n (	7 7		7.
1.5	TILES	3%	45	† ¢	4	4	•
TABLE' 15	PERCENTILES OF TEMP (DEG F)	50%	6 4 4	44	4 4	84	<b>P</b>
	S AND	958	5.00	, ,	34	26	,
	XTREME	<b>%</b> 66	61	9 6	29	9	3
	HEANS, EXTREMES AND	MAX	4 6	5 2	79	79	•
	•	HOUR (GMT)	00500	12515	18621	TOT	

TABLE 17

AREA 0010 ATTU 51-55N 172-180E

	DOTMADO	0401-4401	
	- LATITULE	2027-1127	
•		1007 1040	

PCT FREG OF

PRECIPITATION)	2	FOG													7.9						
	3	FOG		6	•2	• 5	.2	9	1.5	1.4	1:1	1.7	2.8	1.3	5.	•2			•	149	12.2
G (WITHOUT F)	101														102					1218	
OF FO	61	49	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	7	٠.
CCURRENCE D DIFFERENCE	57	9	.2	1:1	1.0	•	•		•	•	•	•	•	•	•	o	•	•	•	58	5.4
	53	26	.2	.2	9.	.7	٠.	.2	•	4.	•	4.	-:	7	•	0	•	•	•	64	4.0
THE	64	52	•	4	ς.	1.7	1:1	3.0	3.4	1:1	5.4	5.0	4.4	1.3	1:1	٥.	.2		•	283	23.5
F) AND THE ( Temperature	45	48	•	•	•	4.	4.	1.0	3.5	7.1	9.5	8.9	12.5	7.5	5.3	1.7	1.2	ů.	.2	722	59.3
(DEG F	41	44	•	•	•	•	0.								5.0					133	10.9
OZ.	37	40	•	•	•	•	•	0	•	•	0	•	•	0	•	•	7	0	•	~	•
TEMPERATURE VS AI	AIR-SEA	TMP DIF	14/16	11/13	9/10	2/8	9	2	4	m	.~		0	7	-5	-3	4-	-5	9-	TOTAL	PCT
AIR																					

PERIODI

SEPTEMBER

3 4-47 (3+ TOTAL 1-3 4-10 11-21 22-33 34-7 48+ TOTAL 1-3 1-2 2-33 34-7 48+ TOTAL 1-3 4-10 11-21 22-33 34-7 48+ TOTAL 1-3 4-10 11-2 11-2 11-2 11-2 11-2 11-2 11-2 1	60	963-1969				TABLE	E 18			ARE 51	AREA 0010 51-55N	ATTU 172-180E	0E
3 34-47 (3) + TOTAL 1-3 4-10 11-21 22-33 34-47 48 + TOTAL 11-21 12-33 34-47 48 + TOTAL 11-3 4-10 11-21 22-33 34-47 48 + TOTAL 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-10 11-3 4-1	PCT	13	FREQ	F WIND	EED	TS) AND	DIRECTION	VERSUS	EA HE	GHTS	FT)		
3 34-47 (3+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+	Z	z											
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3 34-47	. T			•	0.0	67	,	•	•	o r	9	ė.	75
34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 1-4 10 11-21 22-33 34-47 48+ TOTAL 1-3 10 10 10 10 10 10 10 10 10 10 10 10 10	, -			•			•	•	•	•	•	•	41
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3 34-47			2 1	•	•	12	•	•		. "	•	•	0 1
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34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ TOTAL 1-3 4-10 11-21 22-33 34-47 48+ T	•	•		•	•	<b>&gt;</b> (	•	•	•	•	•	•	9
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25	•	•		•	•	<b>&gt;</b> (	•	•	•	•	•	٠	0
34-47	•	•		•	•	0	•	•	•	•	•	•	0
34-47	•	•	_	•	•	0	o.	•	•	•	•	•	0
12	•	•		0	•	0	•	•	•	•	•	•	0
7-77	•	0		•	•	0	•	•	•	•	°.		0
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0 77 0 18 28 12 2 0 6	•	0.		•	•	0	0.	0	0	0	0	C	· C
0 10 10 10 10 10 10 10 10 10 10 10 10 10	34	19		-	C	77		8	28		•	•	
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ATTU 172-18				•			•								•		•		•			0	•			48+	0	0	0				0				•						•			9	•
A 0010	FT.	SE	34-47	•		0	•	•	0	0.	1.	•	•	•	•	•	•	•	•	•	•	┩,	₹.			34-47	0	0	•	0	0	0	7	•	0	1.	•	•	•	•	•		•	•	•	4 (	:
AREA 51-	IGHTS (		22-33	• ·	-	(1)			-			•	•	•							•	-				22-33	0	0	*	1.0	60	4	•	.4	۲.		°.	•	•	•	•	•	3 0	•		200	•
	SEA HE		11-51	•	2.7	•	•	•	•1	•		•	•	•	•	•	•	•	•	•	•	2	0			11-21	•	•	•	•	1.6	•	4.	•	•	•	•	•	•	•	•	•	•	•	• •	8.5	•
	VERSUS		4-10	•	1.3	•	4	6	•	•	•	•	•	0	•	•	•	•	•	•	•	4	2.5			4-10	6.	1.8	.7	0	-	.1	•1	•	•	•	•	•	•	o c	•	•	•	•	000	3.8	•
TABLE 18	D DIRECTION		1-3	•	-			•	•	•	•	•	•	•	•	•	•	•	•	•	•	7				1-3	4.	•	.1		•			•			•						•		•		;
T.	(KTS) AND		TOTAL		71		'n	0	0	8	3	0	0	0	0	0	0	0	0	0	0	n	**			TOTAL	5	36	51	23	20	7	10	7	3	0	0	0	0	0 0	<b>o</b> 0	> 0	<b>o</b> c	0	1		,
	SPEED		+8+	•	9	•	0	•	°	°.	•	•	•	•	•	•	•	•	0	•	•	0 (	•			<b>+8+</b>	•	•	•	•	C.	•	•	•	•	٥.	•	•	•	•	•	•	•		•		:
	OF WIND		34-47	•	0	•	0	•	•	0.	•	•	0	•	•	•	•	•	•	0	•	0 (	•			34-47	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	• -	<b>!</b> ,
	FREQ		22-33				4.																0.1			22-33	•	•	•	•	1,2		80	٠.	5.	•	•	•	•	o c	•		•	•	27	3.5	•
69	PCT		11-21				•	·	•	7.	•	•		•	•	•					9		•	•		11-21	•	•	2.0	•	•		÷		••	•	•	•		•			•			11.0	
1963-1969			4-10										•	•	•						• •		•		•	4-10	•	2.7		o.	•	•	•	•	•	•	•	•	•	•	•	•	0	0	38	5.0	
IMARY) ER-ALL)			1-3				•								•				•			<b>u</b> r	•			1-3	7.	*.	•	•	•	•	•	o	•	•	•	•	•	•			0	9	4		
00: (PRI			H67	, <u>.</u>	3-4	2-6	7	8-9	10-11	15	3-1	7-1	27-07	7_6	0 0		*	10	1	100	*;	3 0	2			HGT	₽	1-2	3-4	2-6	7	8-9	10-11	12	3-1	7-1	0-5	3-5	0 .	1-4	4-0	1.0	71-86	87+	TOTAL	POT	

ATTU	172-180E
AREA 0010	Š

	TOTAL	76	189	227	116	85	34	22	10	15	-	0	0	0	0	0	0	0	0	0	800	100.0
(FT)	484	0.	•	•	•	•	•	•	•	•	•	c.	•	•	•	•	•	•	•	•	0	•
HE I GHT	34-47	•	•	0.	: 1	4.	• 1	7		.3	-:	•	•	•	•	•	•	•	•	•	10	1.3
VS SEA	22-33	•	۲.	2.5	3.9	5.0	•	1.5	٥.	1.4	o.	•	0	•	•	•	3.	•	۰.	0.	148	18.5
(KTS)	11-21	0.	9.8	18.9	6.6	5.4	5.	1.0	e.	6.	•	•	•	•	•	•	•	•	•	•	367	45.9
SPEED	61-4	4.9	12.6	9.9	9.		4.	۲.	•	°	•	•	•	•	•	•	•	•	•	•	220	27.5
MIND	0-3	5.4	1.1	4.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	6.9
	нст	Ç	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-92	33-40	41-48	69-65	61-70	71-86	+18	TOTAL	PCT

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

				•	PERCENI	Y	PERCENI PREQUENCY OF	Z Z	בעבור	VE HELGHI (FI) VS WAVE	K ()	AVE PE	) data	PEKIND (SECUNDS)	2						
ERIOD	7	1-2	3-4	5-6	7	6-8	8-9 10-11	12	13-16	13-16 17-19 20-22 23-25 26-32 33-40 41-48	10-22	23-25	26-32	33-40		49-60 61-70 71-86	61-70	71-86	87+	TOTAL	MEAN
SEC)																					HGT
9	1.2		12.5	3.1	2.1	4.	٠.	6	•	•	•	°.	•	o	•	•	•	•	•	372	•
4-7	0		8.6	9.1	2.0	2.3	1.9	۰.		?	•	•	?	•	•	•	•	•	•	303	5
6-8	•		5	2.8	4.6	9.2	2.0	.7	1.3	۲.	•	•	•	•	Ċ.	•	•	•	•	151	^
10-11	•		•	•	۲.	6.	•2	• 5		•	•	•	•	•	•	•	•	•	•	15	•
12-13	•	•	?	•	~	•	•	•		•	•	•	•	•	•	•	•	•	•	m	0
>13	•		•	•	٦.	•	• 5	₹.	•	•	•	•	•	•	•	0	•	•	•	4	•
INDET	16.4		0.	•	٥.	•	•	0	•	•	•	•	•	•	•	•	•	•	•	168	0
TOTAL	179		219	152	123	62	84	13	16	M	0	0	0	0	0	0	0	0	0	1016	*
PCT	17.6		21.6	15.0	12.1	6.1	4.7	6.1	1.6	6.	•	•	C	•	•	•	•	•	•	100.0	

		TOTAL DBS	53	97	17	0	30	31	<b>*</b> 2		3	20	106	67	81	4	0	32	80	100.0			TOTAL	236	224	194	215	698	100.0
ATTU 172-180F		(5 €	5.6	2.1	9.0	2.8	3.2	2.2	7.7		. 0		10.7	7.2	7.8	5.1	•	3.4	612	15.0			<b>⊍</b> ∢	72.9	4.6	78.9	75.8	655	
		HER PHENOMENA DUST NO BLWG DUST SI BLWG SNOW WE	•	o c		0	•	•	•			0	•	•	•	°.	•	°.	0	o.			HER PHENOMENA DUST NO BLWG DUST SI BLWG SNOW WE	0	9	•	•	0	•
AREA 0010 51-55N	DIRECTION	WEAT 10%E 1AZE	•	?	•	7	•	•	• -	•	?		7	•	*	•	•	•	10	1.2		HDUR	OTHER WEATHER FOG SMOKE DU MO HAZE BLWG PCPN BLWG		0 00	•	1.9	10	1.2
	MIND D	OTHER FOG SP WD PCPN	•	•	, 0	0	7	-	•	, 4	•	2	0	•	7	<b>∹</b>	o.	•	_	2.3		Ą	POST	3.0	4	2.6	1.4	54	2.8
	₽	THDR	0.	•		•	•	0.	•	•	•		•	•	°.	•	•	•	0	•		OCCURRENCE	THDR	0		•	•	0	•
-		TOTAL PCPN OBS	۲.	~ w	n 4		15	12		+ «			18	€0	13	*	0		175		2 2	WEATHER D	TOTAL PCPN OBS	55	44	36	45	180	
TABLE	FWE	PCT FREQ PCPN AT OB TIME	•	•		2.0	1.5	1.5	7.1	2.2	2.0	1.2	2.2	1.0		•	•	• 5		21.4	TABLE	-	PCT FREQ PCPN AT OB TIME	73.3	19.6	18.6	20.9		20.7
	ENCY D	HAIL	0.0	0		0	•	0.0	•	•	9	•	•	•		•	•	•	-	:		FREQUENCY	HAIL	4	0		•	-	•
	FREQUENCY	OTHER PRZN PCPN	9.0	•	0	•	•	0.0	•	•		•	•	•	•	0	•	•	0	•		ERCENTAGE	TYPE OTHER FRZN PCPN	63	0	0	0	0	•
	ENTAGE	SNOF (	1.	c.	•	•	•	o.	•	9	•	7	7	4.	0	•	•	•	ا م			PERCE	ATION	1.3	0	1.0	6.	6	1.0
	PERCE	RECIPI FRZG PCPN	÷.	•	ب و	•	•	•	•	9	0	•	•	•	0.0	•	•	•	9	•			RECIPIT FRZG PCPN	•	0	•	•	0	•
		PF	~ "	ņ -	: -:	7.	•	'n	•	1.3	•	*	9.	.2	5	*	•	0!	2	0.7			PF DRZL	7.2	6.9	5.5	8.4	3	6.8
-1969		SHER	4.	• -	•	.1	•5	•		? -	4	.2	9.	o.	· ·	;'	•	7 ?	V	5.9			SHER			2.1	6.	~	5.8
1944		RAIN	2.	1 4	4	1.7	1.2	1:1		1.2	6	9	1.1	4.	o.	•	•	• (		15.0			RAIN	14.4	8	11.3	11.2	Φ,	11.4
(PRIMARY)		WND DIR	Z 2	u u	E SI	ш	ESE	n S	350	ASS	ES.	MSK	1	323	Z	Z Z	VAR	CALM	101 083	ח א			HOUR (GMT)	50500	60390	12615	18621	101	PCT
PERIODS																													

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			18	8.3	•	•		, o	•	•	•	•	•	•	:	•	•	•		•		60	0			17					•					27	•
	TTU 72-180E		15	•	'n	•	•	10.0	6	,	•	•	•		•	•	•	Š	•							<b>D</b>	.4	•	0		•		70			90	0.
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OCTOBER	TABLE	MIND	PCT FREQ	6.3	•	7	•	* *	•	•	•	•	•	•	•	•		•	•	•	 		0.00	TABLE	Z	SPO	6	5	-		17.0			•			
		ENCY OF	TOTAL	73	(A)	<b>6</b>	77	10	7 0	<b>*</b> C	9 6	2,	- (	35	) ¥	727	<b>•</b>	152	40	0	(L)	•	-		<b>.</b>	FREQ	6	9	٥,	0 0	14.0		7-8	0			100.0
		FREQU	4 +	•	•						•				•			•		•		•	٠.		-	088	108	65	66	• •	162	9	1	1	38	9	
		ERCENTAGE	34-47	.2				•		• -			•			•						73			1 + [ 9		•1	-			• •		0			27	
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	ARY) -ALL)		4-10 1.3	2.7	•	•	•	0 0	•		•	•	•		•	•	•	•	•	•		345	•		WIND S		•	•	•	•	0	•				440	•
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PAGE 584

											TOTAL	51	23	16	15	34	25	22	, ,	n 14	4 6	101	58	71	43	0	32	100.0
								34/8)			NH <5/8	3.1	1.1	٠. د	0,		€.	1.4		7 .	1.8	3.8	3.0	3.8	3.0	0.	1.6	31.7
ATTU 172-180E								(FT.NH)	:	LION	8000+	•	•	0	• •	0	••	•	* *	• •	•	S	•1	•	•	•	0,0	1.2
										DIRECTION	6500	ů	.1	-: (	0 -	: -:	<b>.</b>	4.	9 0		4.			•1	•	0	0.0	2.6
A 0010								G HEIGHTS		MIND	5000	.1	•	0	- 0	•	•	o c	9 0		0	• 5	•	1.	7	0	1.1	2.3
AREA 51-		OTAL	333	05	707	0		CELLING		<5/8 BY	3500	5.	•	•	* 00	4		0			4.	1.4		5	4.	0	.1	4.
	£	-			•		7 A B I E A	,	,	Ĭ	2000	œ			1.2		1.0			W.	5	2.3		1.4	1.4	•	2.5	15.5
	IR (GHT)	PCT FREQ	100.0	•	_	100	,	FREQUENCY		NCE OF	1000	1.4	1.2	4	* "	1.9	.7	0.0	6.7		2.2	4.8	3.3	2.7	1.0	0	1.9	32.6
	BY HOUR	MEAN	16.0	17	15	3				OCCURRENCE	666	.5	7	٠.	- 6	4	۲.	•	<b>.</b>	, "	4.	.7		6.	•	0	0.6	4.3
4	SPEED	CALM	2.7	3.4	3.6	9.6		ERCENTAGE		AND O	300	0	٦.	4.		0	0	0 0	9 0		7.	•	•	0	0	0.0	٥,	1.0
TABLE	NIND	(KNOTS)		•	-:	•		4			150	0.	0	0	? -	7	•	- •	•		0	•	•	0	ဂ္	0	o 4	١٠٠.
	NCY OF	SPEED 34-47	6.9	4.9	6.2	6.0					149	7	7	•		7	<b>.</b>	0 6	6 4	7	4.	0	•	•	•	Ö (	0 5	2.0
	FREQUENCY	WIND 22-33	17.7			18.3																						
	PERCENTAGE	11-21	37.2	6	1.	•		(EIGHTHS)		MEAN	LOUD	5.4	6.1	9 6	4.6	7.3	7.0		6.7	6.5	6.1	6.1	5.8	9,0	7.0	٠ • •	7.0	
	PER	4-10	30.9	6	25	•					OTAL CI	51	23	0 4	45	34	25	27	43	63	94	101	58	7,	<b>.</b>	ې د	2c 736	0.00
		1-3	3.9	•			10	CLOUD AMOUNT		DIRECTION	3 C C	0	7.	'n	'n	_	m u	0	. 10	m,	2	٦,	0	N 0	0 0	י כ	7.7	• 10
4-1969 3-1969		HOUR	60300	2615	8521 TOT	PCT	TABLE	כרםחנ		AIND DIE	7 8 6 085	-	٠,	<b>-</b>	1 4	m	~ ~	- 4	'n	4	2	<b>9</b>	m ·	4 -	→	·	37	20
194 191			ōō	-	-	_	·	TOTAL	,	84	£.	2.	;	•	• •	•	•	• -	1	2.	2.	•		, ,	,	•	19	26.
(PRIMARY) (OVER-ALL)								90 PF			3-4	1.8					ů.	• •	•	1.5	•	•	•	1.0	•		114	
•								PCT FREQ			0-2	5		• •		6	•	. "		.7		1.2		. u	•		5.6	7.2
PERIOD								ă			WND DIR	z	Z Z	2 L	w	ESE	N I	325	ASS	MS	NSM	3	7 : 2 :	E 3	E 0 4 >	4 - V	07 085	TOT PCT

TABLE 7
PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1913-1969

CUMULATIVE PCT FREQ OF SIMULTANEOUS CCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

AREA 0010 ATTU 51-55N 172-180E

	. OR	Ŏ	3.6	0.9	12.1	28.1	60.7	6.49	65.8	66.3	67.1	517
	■ 0R	>50YD	3.6	0.9	12.1	28.1	60.7	6.49	65.8	66.3	67.1	517
	* 0R	>1/4	3.6	0.9	12.1	28.1	4.09	9.49	65.5	0.99	66.7	514
_			3.6									
VSBY (NM	• OR	7	3.6	0.9	11.9	27.9	58.5	62.6	63.6	63.8	64.5	165
	Q	>2	3.6	0.9	11.5	27.4	56.4	60.1	61.0	61.3	61.6	475
	• 9	> 2	3.1	5.4	10.6	25.2	50.3	53.2	54.0	54.3	54.6	421
	# 0R	>10	3.6	3.0	5.8	14.4	31.9	33.2	33.2	33.5	33.6	559
	CEILING	(FEET)	- OR >6500	- DR >5000	■ DR >3500	■ OR >2000	■ OR >1000	■ DR >600	■ DR >300	- OR >150	- OR > 0	TOTAL

TOTAL NUMBER OF OBS: 771 PCT FREQ NH <5/8: 32.9

TABLE 7A PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS) TOTAL 0 1 2 3 4 5 6 7 E DBSCD QBS 1,6 3,3 8.8 10.1 8.0 6.6 11.3 6.4 41.2 2.6 808

Percent Freq of Mine Ne ENE E SS SS SS SS SS SS SS SS SS SS SS SS										
TOTAL COVERACL 1913-1909  PERCENT FREA OF WIND DIRECTION VS DCCURRENCE OR NON OCCURRENCE OF PRECIPITATION  N NNE NE ENE E SSE SSE SSH SW NSW N NNW VAR CALM  PERCENT FREA OF WIND DIRECTION VS DCCURRENCE OR NON OCCURRENCE OF PRECIPITATION  NON PCP			PCT	1.4	2.5	5.7	5.0	7.8 21.3 29.1	2.4 48.8 51.1	100.0
TOTAL COVERACL 1913-1909  PERCENT FREA OF WIND DIRECTION VS DCCURRENCE OR NON OCCURRENCE OF PRECIPITATION  N NNE NE ENE E SSE SSE SSH SW NSW N NNW VAR CALM  PERCENT FREA OF WIND DIRECTION VS DCCURRENCE OR NON OCCURRENCE OF PRECIPITATION  NON PCP			TOTAL	111 6	18	17¢ 10¢	4 4 8 2 2	63 172 235	19 394 413	808 100.0
TOTAL COVERAGLY 1944-1969  PERCENT FREQ OF MIND DIRECTION VS GOCCHRENCE OR NON OCCURRENCE OF PRECIPITATION  NAME NE ENE E SS SS SS SS SS SS N WSW NW				000	000	000	404	21.6	N	32
Table	30E	7	VAR	000	000	•••	000	•••	000	00
Table	ATTU 172-16	TATION	Z	0.1.1	101	.0.4	0,00	1.0	3.4 9.0 9.0	6.1
TOTAL COVER-ALL) 1933-1969  PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OF VISIBILITY  N NNE NE ENE E SS SS SS SS W WSW W WNNW  NO PCP .00 .00 .01 .2 .2 .3 .0 .1 .3 .2 .2 .1 .0 .0 .1 .1 .1 .0 .1 .1 .1 .1 .2 .1 .1 .0 .1 .1 .1 .1 .1 .2 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1		RECIPI	Z	000	40,4	40.N	7.9.7	2.2	5.6 5.6 51	10.0
PERCENT FRES OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION	AREA 51-5	8	Z		000	446	6.1.0	1.5	0 4 4	6.8
PERCENT FRES OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION		URRENG Y	3	-0-	1.0.1	440	2.01	1.0	7.7	107
PERCENT FRES OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION VS GCCURRENCE OF WIND DIRECTION		IBILIT	E SE	000	40.4	<b>.</b>		7.00	3.1	4 °
PERCENT FREQ OF WIND DIRECTION VS WITH VARYIN VST UND PCP 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		E OR N OF VIS	N.	778	400	77.7	410-	1.6	W 61 80 W	8.2
PERCENT FREQ OF WIND DIRECTION VS WITH VARYIN VST UND PCP 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		URRENC	MSS	e	000	v. v. 0	0,70	1.5	2.2	53
PERCENT FRES OF WIND DIRE FOR PLAND PCP	TABL	VS DCC	S	0.1.1	-0-	ก็หือ	6.7.11	444	2.8	98 6.9
PERCENT FRES OF WIND DIRE FOR PLAND PCP		CTION TH VAR	SSE	000	-0-	70.7	444	400	1.2	3.0
RIOD: (PRIMARY) 1944-1969  RIOD: (GOVER-ALL) 1913-1969  N NNE NE ENE E ES  PCP		ID DIRE	SE	416	40,4		44.4	1.1	4.0.8	31 3.8
PCP (DRIMARY) 1944-1969 (DVER-ALL) 1913-1969 PERCENT NO PCP .0 .0 .0 .1 NO PCP .0 .0 .0 .1 TOTAL 0 .2 .1 .0 TOTAL 0 .0 .1 .1 PCP .0 .0 .0 .1 TOTAL 0 .0 .1 .1 PCP .0 .0 .0 .1 TOTAL 0 .0 .1 .1 PCP .0 .0 .0 .1 TOTAL 0 .0 .1 TOTAL 2 .3 .2 .1 PCP .1 .4 .4 .9 1.2 TOTAL 16 .4 .4 .9 1.2 TOTAL 16 .1 .1 .1 .11 TOTAL 16 .4 .4 .9 1.2 TOTAL 52 25 22 17			ESE	200	4-4	 	44	400	1.1	38
PCP			ш	202	71.7	1. i.	400	2.0	0.1.0	5.0
PCP		ERCENT	ENE	0.7	000	-0	1.0.1	1.2	044	2.1
PCP COVER-ALL)  PCP COVER-ALL)  ND PCP CO CO  TOTAL CO  TOTAL CO  PCP CO CO  TOTAL CO  PCP CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  TOTAL CO  T	1969	ь.	W Z	000	0.1.4	01.1	71.7	2.6	00,0	22 2.7
A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A			N N	000	202	000	1.2.6	₩4.	13	3.1
A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A TOTA A	MARY)		z	000	000	000	77.7	1.6	3411	6.4
				PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
	PERI		VSBY (NM)							

PACE 588

PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1913-1969

AREA 0010 ATTU 51-55N 172-180E

OCTOBER

TABLE 9

		H	w 10 10 00 4	11.1.40	4 N - 0 0	10710		MOONE	0
		PCT			AA 4	- m 0.4 - 1	10. 7.	21.5	100.
		TOTAL	MO 00 L	9 P B B B B B B B B B B B B B B B B B B	11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13 94 91 125	20 89 121 90 320	49 182 238 108 577	1134
		CALM	• •	• •	• •	ų 0	v. 0	2.6	3.3
		VAR	00000	00000	00000	00000	00000	00000	00
1		Z	66464	00044	00.00	40442	44 <b>0</b> 0		61
:		ž	0.1.1.0	01017	44444	7,4,4,5	786.76		150
•	<u>e</u>	X	0.4044	00404	0-10-4	44440	6,00	1.3 2.2 1.7 1.7	96
	D SFEED TY	*	w	00000	21161			31.2	152
	DN VS WIND S	HSH		0.10.10	0.0000	-0.04.a	0.00.07	29.7.60	5.3
	CTION OF VI	N	00::0	-1441.0	04404	70441	7.20	2.2	3.8
	DE WIND DIRECTION ARYING VALUES OF V	NSS	04100	0.10.4		12456	-10.08	1.1 1.1 3.7	6.6
8	DF WIN	s	00101	0	- 4 4 4 4	ם	01447	1.1	6.0
	FREG	SSE	0	00077	00044	00004	104.00	044.79	2.4
	PERCENT W	SE	00144	00,000	0.1.00	04040	044 8 2	75857	48
	<b>a</b>	ESE	00000	0,00,4	00011	00-4	0 4 4 4 0	1.04.47	3.5
		ш		00000	0.1042	01214	25.20	0.04.12	51
		ENE	00.	00000	000	0.10.10	04444	04-10-0	22
		Ä	0,000,0	000.	0	04011	0.0000	02441	3.7
		NNE	00000	00000	00000	1,00.14	1,4040	10.7.7	3.0
		z	00000	000.	00000	0444	2.1	1.00	71 6.3
		SPD KTS	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL PCT
		\@S\ \XX\		1/2<1	142	2<5	5<10	10+	

	ATTU 172-180E		TOTAL OBS	221	201	176	191	789	
	AREA 0010 51-55N	9	NH <5/8 ANY HGT	34.4	32.3	37.5	7.92	258 32.7	
	AR S	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	9.59	67.7	62.5	73.3	531 67.3	
		EET, NH	<b>\$</b> 000 <b>\$</b>	2,3	<b>.</b>	•	1.0	1.1	
		ENCY OF CEILING HEIGHTS (FEET OCCURRENCE OF NH <5/8 BY YOUR	6500	3.2	2.0	4.0		19	
2	10	G HEIGNH KS/	5000	2.3	2.0	1.1	3.7	18	
	TABLE 10	CEILIN CE OF	3500	4.1	5.0	6.8	4.8	6.0	
		CY OF CURREN	2000	29.9 15.4	17.9	14.2	15.2	124	
		REQUEN OC	1000		31.3	28.4	37.7	251	
		CENT F	666	5.0	4.5	2.8	3.7	32	
		PER	300 599	•	1.5	•	1.0	.0.	
			150	٠,	•	•	1.0	4 10	
	696		0000	2.7	3.0	3.4	1.0	20	
	1913-1		HOUR (GMT)	60300	60390	12615	18621	707 PCT	
	PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1913-1969								
	PER 100 !								

	AND/OR	TOTAL OBS	217	197	167	190	1771
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) CEILING HGT (FEET,NH >4/8),BY HOUR	NH <5/8	34.6	32.0	35.3	26.3	247
12	GES DF V	1000+ ANES+	48.8	50.8	43.7	57.4	388 50.3
TABLE 12	OF RAN (FEET)	<600 <1000 <1 <5	4.1 16.6	4.1 17.3	4.8 21.0	16.3	136
	FREQ G HGT	<b>6600</b>	4.1	4.1	4.8	5.3	35
	IVE PCT CEILIN	<150 <50YD	1.4	1.0	٥.	1.1	r 6.
	CUMULAT	HOUR (GHT)	60300	60390	12615	18521	T0T PCT
		TOTAL OBS	217	197	167	190	771 100.0
	NH) BY HOUR	10+	62.2	58.9	55.1	57.4	452 58.6
-	_	5<10	25.8	27.4	27.5	31.6	216
TABLE 11	CY VSBY	2<5	6.5	6.1	12.0	6.3	58
	FREQUEN	142	3.2	9.6	1.8	1.6	3.1
	FRCENT	1/2<1	1.4	1.5		2.1	13
	PERCENT FREQUENCY VSBY	<1/2 1/2<1	.9 1.4	.5 1.5	1.8	1.1 2.1	8 1.0 1.7

1944-1969	1012-1040
(PRIMARY)	COVEDLALL
PERIODI	

			CALM	0		4	0	0	00	1.5
		4	VAR	•	0	•	C	0	0	0
		BY TE	Z	0	6	8.5	6.7	1.1	95	17.2
) <u>E</u>		CTION	x							22.0 1
ATTU 172-180E	14	ND DIR	SW							17.8
	TABLE 14	OF WI	S							14.5
AREA 0010 51-55N		PUENCY	SE							4.9
		PERCENT FREQUENCY OF WIND DIRECTION BY TEMP	ш	•	0	2.9	2.0	•	27	6.4
		PERCEI	Ä	•	5.	4.2	1.6	•	35	4.9
			z	•	.2	3.6	4.7	6.	52	4.6
			S FREQ						551 100.0	
			0 085							
		Y TEMP	90-10						205	
		ITY B	80-89	•	2.0	16.7	10.9	1.1	169	30.7
	_	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP	0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100	• 2	1.6	11.4	6.7	.7	114	20.7
	TABLE 13	LATIVE	69-09	.2	1.5	3,3	3.8	4.	20	9.1
1969	TA	OF RE	50-59	4	٠.		5.	•	12	2.2
1944-		QUENCY	65-05	•	•	.2	•	0	-	•5
MARY) R-ALL)		NT FRE	90-39	0	•	0	•	•	0	•
(PRI		PERCE	0-29	0	•	•	•	•	0	0.
PERIOD: (PRIMARY) 1944-1969 (OVER-ALL) 1913-1969			TEMP F	55/59	50/54	45/49	40/44	35/39	TOTAL	PCT

		TOTAL	178	156	62	161	557
	HOUR	MEAN	83	65	94	85	48
	ITY BY	90-100	38.8	37.8	29.0	36.6	205
ø.	RELATIVE HUMIDITY BY HOUR	80-89	25.8	31.4	41.9	30.4	170
TABLE 16	RELATIV		18.5	19.9	22.6	24.8	118
	PERCENT FREQUENCY OF	69-09	13.5	8	4.8	6.8	51
	FREQUE	30-59	3.4	5.6	1.6	1.2	13
	PERCENT	0-59	•	•	•	•	0
		HOUR (GMT)	60300	60390	12615	18621	T0T
	ноия	rotal OBS	335	317	210	321	183
	>						
	F	MEAN	45.7	44.5	43.3	43.9	44.5
	TEMP (DEG F) B	Z	36	35	36	36	35
	OF TEM	1%	36	37	36	36	36
2	riles	28	40	4	37	37	33
ABLE 12	σ.	20%	94	45	43	**	42
	AND	95%	25	20	84	20	20
	MEANS, EXTREMES AND	<b>x</b> 66	55	25	20	53	24
	4EANS,	A A X	57	24	25	54	21
	~	HOUR (GMT)	00603	60390	12615	18621	TOT

TABLE 17

AREA 0010 ATTU 51-55N 172-180E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

D X D	1.	) • 4 F - 6	•	3.0	5.0	6.8	12.0	10.6	15.2	10.5	8.6			4.3	1.2	2.6	₩.	9.	707	97.5
<b>™</b> 0	•	9 0	•	•	~	ų	9.	.7	4.	٠.	-:	•	•	•		•	•	•	78	2.5
101	;	12	•	22	37	51	91	82	113	77	72	22	47	31	10	19	9	4	725	100.0
57	0.0	• "	?	0	•	•	•	•	0	•	•	•	•	•	•	0	0	•	~	e.
563	٠.	J -		e.	•	٠.	•	•	o.	o.	•	•	•	•	•	•	•	•	60	1.1
52	•	10		8	۳.	1.0	ú	ů.	۲.	4	•	•	•	•	•	•	•	•	9	8.3
4 4 N 80	0,0	0	7.	1.8	4.4	5.1	8.8	4.7	7.7	6.0	4.	۳.	1.2	•	•	•	•	•	286	39.4
4 4	•	90	•		4	<b>2</b> 0	3.4	5.8	6.8	6.1	7.0	2.1	9,3	1.2	1.0	•	9.	•	281	38.8
40	0.0	0	•	•	•	•	•	9	4.		1.5	.7	1.9	2.3	4.	1.5	•	4.	77	10.6
99	•	•	0	•	•	•	•	•	°	•	•	o	•	•	0,	1:1	٠	•	1	1.5
AIR-SEA TMP DIF	11/13	7/8	Φ	'n	4	m	7	-	0	7	-5	<u>ٿ</u>	4	5	9	8-//-	-9/-10		TOTAL	₽C±

PER 100:

	)E			TOTAL	•	2	4	m	0	0	0	•	0	0	0	0	0	0	0	0	0		*1	4.3		TOTAL	m	_	•	'n	0	m ·	<b>-1</b> -	4 4	0	• 0	0	0	0	0	0	0	0		9.0
į	172-180E			4 C		0	•	•	•	•	o·	•	°.	•	•	°.	•	•	•	0	•	•	0	•		+8+	•	•	•	•	•			. "					•	•	•		•		۰.
3	-55N	(FT)		1		•	•	•	•	•	•	.3	•	٥.	•	•	•	•	0.	•	•	•	4	6.		4-4	•	•	•	9	•	•	•		0			•	•	•	•	•	•	• "	9
•	51-5	HEIGHTS (		22-33	•	0	•	6.	•	•	•	°.	0	•	0	°.	•	•	•	•	•		7	•		22-33		•	•	•	0	•	o, r	9	0	0	•	•	•	•	°	0.0		2 1	2.2
		SEA		11-21	•	9	1.2	•	0.	•	•	°	•	•	•	•	•	•	0		•	•		2.8		11-21	•	1.2	•		•		•		•	•			•	•	•	•		? :	3.4
		VERSUS	•	4-10	. "		•		•	0.	•	•	0	•	•	•	•	•	•		•	· ·	- ,	ů.	•	4-10	6.	6.	•		•	•	o c	•	0			•	•	•	•	•	ò	•	1.9
<b>~</b>	81	DIRECTION		-		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		0	•		1-3	•	•	•	•	•	•	•		C	•	•	•	•	•	•	o c	•	•	·
OCTOBER	TABLE	S) AND		DTAL	J 60	· 00	7	•	0	0	0	7	-	0	0	0	0	0	0	0	0		87	8.7		TOTAL	0	61	<b>10</b>	7	<b>~</b>	7	<b>V</b>	<b>o</b> c		2		7	0	0	0	0 (	0 0	0 8	11.8
		SPEED (KT		_	2 0	0	0	•	•	•	•	•	•	•	•	•	•	•	0	•	•	•	Э,	•			•	0	•	•	•	•	•		•		•	•	•	•	•	o c	•	•	
		F WIND			•				0	•	•	£.	•	•	•	•			•		•	•		•		14-46		0	•	•				•			6.		•		•			• "	1.6
		T FREQ 0		22-33	9 0	0				•	•	•		•			•		•	ن •		o c	7	9.		22-33	0		•									•			•			. "	1.6
	65	6		11-21	• "	1.2	•	1.6	•	•	•	•	•	·	•	•	•	•	•	•	•	• :	→	3.7		12-51	•	1.9	•		•	E. (	•	•	•	9	0.	•	•	•	•	o c	•	2 5	4.0
	6961-E961		•	61-4	• •	1.2	•		•		•	•	0	•	o.	•	o,		•	•		2.5	→		•		•		•		•		•								0				4.3
	R-ALL) 1								•	•	•	·		•	•		•					•	•	r.		1-3	•	,	•		•		•								•		•	• -	· "
	(0VE		i	= <			9-6	~	8-9	10-11	12	3-1	17-19	0-2	3-5	6-3	3-4	1-4	, ,	<u>`</u>	1 6	+ +	- •	•		15.	7.		\$ . 0 .	010	-	0		3-1	7-1	0-2	3-2	6-9	3-4	1-4	0	9 (	1 - 1	٠,	PCT

•	6.00 4.00 1.14 CURE

																								4	TUTAL	7	97	80 (	10 G	) <b>.</b>	- E	7	15	~	m (	rn ∢	0	0	0	0	0 0	•	100.0
0E		14101	5	, 5		'n	8	<b>N</b>	•	<b>o</b> r	<b>~</b>	• 0		0	0	0	0	0	0	0	3	12.4		TOTAL	5	0	18	13	2,	<b>→ V</b>	• ~	•	~	0	Э.	⊂	0	•	0	0	00	<u>י</u>	17.71
ATTU 172-18		4			•		•	•	•	•	•	0	•	•	•	•	•	•		0	0	•		484	•	•	•				•		•		•	9 9	Ç	•	•	°		•	00
A 0010	FT)	SH 34-47				'n.						•				•	• •	•	•	•		1.2		34-47		•	•		•				m.				•			0.		•	۱ ۰
ARE 51	IGHTS (	22-23					0.								•		•			0	-			22-33	7	•				0			m.										3.7
	SEA HE	11-21		2.5	•		•	•	•	•		•	•	•	?	•	•	0.	o.	•	V	6.2		11-21	) 	•	•		•	• "	1.2	•	•	ဝဲ့ ဇ	•	• •	•	•	c.	0	9 9	9 6	6.9
	VERSUS	0[-4	• •		, m	•	0	0	o o	o c	•	•	0	•	•	°	°.	•	•	٠.		1.6		01-4	1	•	2.8						•	•	•	9 6	•	•	•	•	9	-	3.4
CTOBER Able 18	DIRECTION	ָ -	•				0.								•				•	•	•	m.			)	•	ů.	•				•									9	? -	4 m
DCTI TABI	(KTS) AND	TOTAL	5	17	_	60	φ,	<b>→</b> (	m c	<b>-</b>	4 6	0	0	0	0	0	0	0	0	٥	•	14.0		TOTAL	5			<b>→</b> c		۰ د	14	<b>~</b>	M)	o -	→ (	<b>&gt;</b> M	0	0	0	0 (	0 0	7,	
	SPEED	4	•				•					•			•		•	•	•	o c	0 (	•		484	•	0	•	•					•			9		•			9 9		·
	OF WIND	74-45		•	•	•	0.0	•	0.0	, ,	9	•	•	•	•	•	•	•	·	•	<b>&gt;</b> (	•		34-47		•	•	•	•	•		•	•		•	•	•	•	•	•	<b>.</b> .	•	1.2
	FREG (	52-33	, ,			•														0,5	-		-	22-33	۱ ا			•		•													6.2
69	P		•	•	1.9	•	•	•	•			•	•		·	•	°			0 ;	4		•	11-21	<b>;</b>	•	•		• •					o c		•					9 9		
1963-196		4-10	•		•		o c													၀ ၀		6.7		4-10	•																0		2.2
MARY)		(F)	•				•												•	•	•	?		1-3										• •							•		•
OD: (PRI)		5	7	1-2	3-4	5-6	<b>~</b> 1	, 0	11-01	34	7-1	20-22	3-5	6-3	3-4	1-4	9-6	1-7	8-1	+ + + + + + + + + + + + + + + + + + + +	5 6			HG1		ᢏ.	7-1	1 10	-	8-9	10-11	12	7 .	20-22	10	6-9	3-4	1-4	0 1	-1	87+	TOTAL	PCT

	AREA 0010 ATTU 51-55N 172-180E																							
	AR																							
			TOTAL	42	66	58	48	30	15	33	7	15	7	6	•	.4	0	0	0	0	0	0	354	100.0
		(FT)	+8+	•	•	•	•	•	•	6.	•	6	•	٥.	0	•	•	•	•	•	•	•	7	•
OCTOBER	(TN		24-47	•	•	•	۰.	•	9.	1.1	•	1.1	6.	m.	•	1.1	•	•	•	•	•	•	21	5.9
100	TABLE 18 (CONT)	(KTS) VS SEA HEIGHT	22-33	0.	•	1.7	4.2	5.4	2.5	2.8	e.	1.7	e.	E.	e.	°.	•	°.	°.	•	•	•	69	19.5
	TABLE	(KTS)	11-21	•	14.4	12.1	7.9	3.1	1.1	5.1	e.	1.1	•		•	•	•	•	•	•	•	•	161	45.5
		SPEED	4-10	2.8	12.4	2.5	•	•	•	°	•	•	•	•	•	•	0	•	•	•	•	•	65	18.4
		MIND	6-0	0.6	1.1	•	•	•	•	•	0.	•	•	•	•	•	•	•	•	•	o.	•	36	10.2
			нст	₽	1-2	3-4	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	09-64	61-70	71-86	<b>87</b> +	TOTAL	PCT
	(PRIMARY) (OVER-ALL) 1963-1969																							

PERIODI

TABLE 19

	MEAN	HGT	-	00	6	13		0	e	
	TOTAL	202	105	76	60	-	0	179	589	0.001
	87+	•	0	0	0	0	•	0	0	•
	1-86	0	0	•	0	•	•	°.	0	•
	1-70 7	•	0	?	•	•	•	•	0	•
	49-60 61-70 71-86	ç	9	0	•	•	•	•	0	•
_	1-48 4	•	•	•	•	0	•	•	0	•
PERIOD (SECONDS)	13-16 17-19 20-22 23-25 26-32 33-40 41-48	•	0	•	•	•	•	•	0	•
. IOD (S	6-32 3	0	6	e.	•	0	•	•	4	.7
VE PER	3-25 2	•	5	•	•	•	•	•	m	ň
E REIGHT (FT) VS WAVE	0-22 2	•	.5	•	•	•	•	•	6	ń
T (FT)	7-19 2	•		.2	•	•	•	•	m	ŗ.
HE164	3-16	•	.7	1.9	.7	.2	•	•	20	3.4
¥.	12 1	•	17	₩.	•	•	•	•	7	1.2
FREQUENCY OF	0-11	.3	1.9	5.1	•	•	•	•	43	7.3
	8-9 10-11	۳.	1.4	1.0	•5	•	•	•	20	3.4
PERCENT	7	2.2	2.0	2.2	•	•	•	•	38	6.5
	9-9	3.4	5.4			•	•	.2	28	8.6
	3-4	7.5	3.6	2.5	۳.	•	•	•	85	13.9
	1-2	19.2	٠.	1.2	•	•	•	•	125	21.2
	₹	₩.	•	•	•	0	•	30.5	183	31.1
	PERIOD	(SEC.)	6-7	6-9	10-11	12-13	<b>&gt;13</b>	INDET	TOTAL	PCT

		TOTAL OBS		100.001	TOTAL OBS	191 180 150 172 693
ATTU 172-180E		S I C		4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6	ENA ND SIG	655.4 658.0 65.1 68.1
0010 5N	Z.	THER PHENDME DUST BLWG DUST BLWG SNDW			THER PHENDMENA DUST NO BLWG SUST SI	0.000
AREA 51-5	RECTION	S WEA	0000000400400400	. TOUR	S WEAT	20122
	MIND DI	FOCH	0-0-0	2 14	FOCTHE PCPN	6211 10011 10011 0
	E 8Y	THDR		OC CURRENCE	THDR	000000
<b>.</b>	DCCURRENC	TOTAL PCPN OBS	1 WILLING HELD OO 44000 COO	197 2 THER	TOTAL PCPN OBS	2022
TABLE	IF HEATHER	PCT FREG PCPN AT DB TIME		28.9 TA	PCT FREQ PCPN AT OB TIME	30.9 31.7 19.3 32.6 29.0
	ENCY D	HAIL		.3 .3 FREQUENCY	HAIL	01000%
	FREQUENCY	TYPE OTHER PCPN	•••••••	75 0 1.0 .0	TYPE OTHER FRZN PCPN	000000
	ENTAGE	SNOW		75 11.0	SNOW C	16.8 8.3 9.3 9.9 78
	PERC	RECIPI F226 PCP1	000000000000000000000000000000000000000		RECIP FRZG PCPN	000000
		DRZL			DRZL	W 0 0 0 W 0
-1968		SATI	000000		RAIN	9 2 3 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
1945		RAIN		10.0	RAIN	9.9 10.6 6.7 12.2 69 10.0
(PRIMARY) (OVER-ALL)		WND DIR	N N N N N N N N N N N N N N N N N N N	T0T 0BS	HOUR (GMT)	00003 06009 12015 18021 TOT PCT
PERIODI						

PERIODI	(PRI	MARY) R-ALL)	1945	-1968 -1968				TABLE	m					AREA 0 51-55	00100 A	77U 72-180	<u>m</u>		
				PE	PERCENTAGE	SE FREQU	UENCY O	FWIND	DIRECTION	β	SPEED A	AND BY	HDUR						
WND DIR	0-3	4-10	IND SPE 11-21	22-33	75) 34-47	+84	TOTAL UBS	PCT	HEAN		ō	0	0	•	HDUR (GMT 09 12	7) 1	5 1	••	21
z	ó.	œ, ·	2.0	1.0	9.	7	4	4.0	21.4		•	5 14.	3 1.	9	0 5.				•
¥ 2.	•		•		•	•	1.7	•	;		•	•	-	9	•		~	_	
W Z	-;	.7	6.	۲.			27		6			•		.4 6	9.	9	0	7	•
ENE	o.		9.	•	1.1	.2	54	•	ë			14.	-	9 5.	0 1.	00	0	7	
ш	•		2.4	1.7	9.		51		2		•	•	m	2 5.	. 4	2 18	2 4	7	•
ESE	•		•		5.	9	28		4			14.	•	9	9 2	4	2	0	•
SE	S		•	1.5	5.		53	•	6				4		4	0			•
S. C.		•	•	•	<b>S</b>		8	•			•	•	י כ	,		,	<b>4</b> (	- 1	•
	-		•	•	-	• 4	000	•	,		•	•	,	•	•	<b>.</b>	) (	٠.	•
3		•	•	•	•		1 4	•	•		•	•	61	•				<b>-</b>	•
E 00		•	•	•	•		0	•			•	•	9	2	. 0	0 27	3	•	•
3		•	•	•	•	•	95	•	•			•	20	6 4	9.	9	1	7 4	•
Z CZ	•	•	•	•	•		g,	ċ	6		2	35.	7	8 6.	9 11.	•	0	4	
*		5.9	7.8	3.2	1.6	.2	191		6		•	21.	4 22.	1 9.	9 19.	6	0	1	•
323				•			•	7			7	•	-		7	•		•	•
3			•	•			77	•			•	•	- 0			, ,	• •		•
2		•	•	•	9 6		- (	•			•	•	,	101	•	, ,	0	_ ,	
		•	•				<b>?</b> (	•	•		•	•	•	*	•			0	•
X	•	•	•	•	•	•	<b>o</b> (	•	•		•	•	•	•	•		0		ó
E		- 1	(			1	,		•		•	•		•	0		•		•
	4	174	397	219		1.7	096		20.0		97	~		4 10	1 16		7		0
Ö			•	•	11.6	1.8		100.0			•	100	0 100.	0 100.	0 100.	0 100.	0 100	01 0	
								TABLE	34										
		-	CDEE	CKNOTO									91100	1					
WND DIR	9-0	7-16	17-27	28-40	41+	TOTAL 08S	PCT	MEAN		8	60	90	60	12	13	18	12		
z	e.			7.		61		6					•	4.6	o		•		
¥	.2	•			1.0	51	•	'n			4.3		•	2.4		•	•		
ш						79	•	2			4			4	•	•	, ,		
SE		3.0	2.3	2.3	•	6	9.5	21.2			• '		11.9	) C			7.7		
S				•		- (1)	,	-		-				) –			10		
3. U)				•		0	6	6		-				- ١		· a			
1					•	229		6		•	21.4	• •		27.7	• (	• •	•		
Z	•	•	•			-	2	7		c		7		٠ (	•	, ,			
VAR	0			0	0	0	•			)	•	-	•	•			•		
I,						40	5	•		*	•	•	•	1.2	0		•		
TOT 085	10	309	319	174	53	960				•	14	5	0	166	::	4	0		
2	•		•				100.0		7	00	0000	7	00.00	00.00	-	00.00	9		

												TOTAL OBS	O.F.		13	12	22	14	50	- v	27	57	61	115	6 I	<b>.</b>	* 0	<b>o w</b>	5	100.0
									>4/8)			NH <5/8	1.2	•	m	•	2.	•	) r	1	6	•	•	•	1.7	•			12	•
U -180E									(FT.NH >	FCTION		8000+	Ċ		•	•	•	•	7.7		•	• 5	•2	.2	0	• •	? .	0	~	2.6
ATT 172										DIREC		7999	0		0.	•	•		• •		•	.7	•	1.4	0.6	•	20	•	-	3.1
A 0010									G HEIGHTS	ONIX		5000	0		•	0	0.0	•		. 2	6.	5.	6	r,	• ·	, ,	10	•	_	2.3
ARE 51		AL	75	55 57	53	09			CEILING	<5/8 BY	i	3500 4999	6	.2	.2	•	o c			2.4	•	1.0	•	•	•	•	10	0	9	11.8
	2	101 9	0.0	,	7	•		ABLE 6	P	Y HN	:	2000 3499	5			•	1.2	9 4	0	2.8	•	•	•	•	7.7	•	• •	7	20	•
	R (GMT	PCT FRE	88	100	00	100.0		TAE	EQUENCY	9	) 	1000	6		6.	•	•	•	100		•	•	•	٠	•	•	•		16	•
	BY HOUR	MEAN	0	; :	19.4	•			FR	DCCURRENC		999	10	.2	•	E	<b>ٿ</b> د	9 0	9 0	7	.2	2.	5	0.1	. "	. "	0	•	33	_
4	PEED	CALM	4.4	1.1	•	ט יט			P.CENTAG	AND DC		300	6	•	0		•	•	20	.2	•	0	2.	٠ د	۹ د	2 0	0	0	_	2.3
TABLE	S QNIM	KNOTS)	2.2	1.7	*	1.8			PE			150 299	2.	0.	•	•	0.0	•		7	.2	2	0	0.0		• c	0	0	41	.7
	H.	PEED (	•	• 4	•	111						149	•2	•	•	m ·	~ ·	• r	0	٠. س	•	6.	•	•	, .	. c	, o	•	_	2.8
	FREQUENCY	WIND S 22-33	•	9.	-	22.8																								
	ERCENTAGE	11-21	38.9	) <del>-</del>	0	41.4			(EIGHTHS)		EAN	OVER	•	•	•	•	•	•	6.7			•	•	•	•	•		7.0	•	
	PER(	4-10		3	-:	18.1						2 2	30	œ	61	12	77	0 1	18	55	27	57	. 61	n 0	4 A	70	. 0	S	47	•
		1-3	4.4		. (	3.9		en.	AMDUNT	DIRECTION		080											•	•				5	5	001
-1968 -1968		наия	60300	615	521	55		TABLE	CLOUD		•	3 8 08SC	3	•	<b></b> ,	<b>.</b>	10	יו ני	1.	7.	2	•	n 0	• •	• - • -	: :	•	• (	53	• 10
1945		I	0 0	12	18	- <b>a</b>		_	OTAL	BY WIND		)-6	1.4	iC.	2.0	7.	. יי			•	•	•	•	•	6.7		•		18	•
IMARY)									Q 0F T			u 1	₹.	2.					0		•			•				0	4 400	•
: (PRI									CT FRE			2-0					9 0			.2	•		•	•				0.		•
PERIOD									2		ċ	ATO ONE	z	UZ.	W (	i i	7 E	i W	SSE	S	NSS.	3		2 2	: 3 : 2 :	Z	VAR	CALM	107 085	5

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L	L	J
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2	Ē	
L	1	
2	,	
5		
2	2	

	51-55N 172-180E
	TABLE 7
	DVER-ALL) 1901-1968
ERIJO: (PRIM	:OVE

DCCURRENCE	(NN)
S	VSBY
TANEDU	AND
SIMULT	74/8)
P.	N N
FREQ	HE I GHT
PCT	ပ
CUMULATIVE PCT	OF CEILING

	98	2	0	4.	5	1.7	4.		2	6	77.5	20
	•		v	w	20	38	99	72	74	74	77	4
	• 0R	>50YD	0.9	4.8	20.5	38.7	4.99	72.1	74.2	74.0	77.3	644
	• OR	>1/4	0.9	8.4	20.5	38.7	66.1	71.6	73.5	74.2	76.6	445
•	0R	>1/5	6.0	8.4	20.3	38.5	65.6	71.1	73.0	73.7	75.7	440
VSBY INM	* 0R	7	5.9	6.3	20°C	38.0	64.2	69.5	71.3	71.9	73.5	427
	■ OR	>2	5.9	8.3	20.0	37.5	63.2	68.0	69.5	70.2	71.3	414
	OR	<b>&gt;</b> 2	5.2	7.4	16.7	33.4	54.0	58.3	59.5	58.6	60.2	350
	= 0R	<b>&gt;</b> 10	3.4	4.6	8.8	13.1	18.6	21.5	21.9	22.2	22.2	129
	EILING	FEET)									0	TGTAL
	บั	_	■ 0R	. OR	, OR	# OR	0	. OR	. OR	R	• 0R	

TOTAL NUMBER OF OBS: 581 PCT FREG NH <5/8:

22.5

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

TABLE 7A

TŅTAL DBS	613
OBSCD	5.6
60	45.0
7	7.0
•	13.2
10	10.1
4	6.9
m	3.9
2	7.2
-	• 5
0	3.6

AREA 0010 ATTU 51-55N 172-180E

PERIOD: (PRIMARY) 1945-1968 (OVER-ALL) 1901-1968

	PCT	2.5	4.6.4	000	7.6 7.8 15.4	10.4 36.6 47.0	1.3 23.6 24.9	0.001
	TOTAL	11 61	2 6 2 3 4 9	474	52 53 105	71 250 321	9 161 170	100.00
	CALM .	000	000	000	000	0 m N	044	N L
_	VAR	•••	000	000	000	000	000	00
TATION	Z	w	000	.0.1		1.0	2.0	31
PRECIPITATION	Z	400	000	4 - 4	4 44	1.22.9	2.0 16	55
R	Z	454	<b></b> w		4	1.00	2.6 18	42
URRENC	×	0.1.1	4.4.10	400	. 1 . 0 . 0	2.9 8.1 75	4.8	130
N VS OCCURRENCE OR NON OCCURRENCE ARYING VALUES OF VISIBILITY	MSM	-0	w 0 N		000	5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3	086	73 10.7
E OR N	MS.	644	• i. n	 	01.0	**************************************	2.5 18	67 9.8
URRENC ALUES	MSS		<b></b> w	400	1.0	2.2	000	4. 6. 6.
VS DCC	S	<u></u> w	400	r.10	1.8	1.0 3.5 4.5	o.v	10.0
N. S.	e;	000	448	44.0	1.0	1.3	0 4 0	23
. 10 O	SE	000	0	w. <b></b> w	4 w w	1.0	044	2.8
OF WIND	ESE	-0-1	1.0.1	400	 ง พ	440	04 4	19
FREO	ш	-0-	w.o.u	400	440	1.3	-44	26 3.8
PERCENT	ENE	000	404	ron	r.o.u	400	0 m N	19
_	Z W	0.1.1	000	000	0 m N	1.0	01.0	16
	N N	000	000	000	000	0.64	04 m	1.0
	z	000	404		440	1001	1.6	4.4
		PCP NO PCP TOTAL	PCP NO PCP TOTAL	PC9 NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	TOTAL PCT
	VSBY (NH)	/5</td <td>1/2&lt;1</td> <td>142</td> <td>2&lt;5</td> <td>5&lt;10</td> <td>104</td> <td></td>	1/2<1	142	2<5	5<10	104	

AREA 0010 ATTU 51-55N 172-180E

TABLE 9

	PCT	0	?	0.	•	5.3	7			2.2	•	•	•	•		.,	3.1	9.	17.4	1.2	6.7	16.6	14.3		•		7.8	•	100.0
	TOTAL	0	~	0	11	22	-		12	21	37	80	16	23	9	7	30	65	166	11	49	159	137	•	15	65.	75	277	956
	CALM	•				0	ç	!			0	•			0	0			0	.2			•		e.			e	พพ๋
	VAR	0	0	•	•	O	0	0	•	0	0	•	•	•	•	9	0	9	.0	0	0	•	•	•	•	o.	. •	0	00
	Z Z	•	C	7	.2	m	Ç	9	•	•	0	•	7		4		.2	m (	• •	•	.3	4.	*:	:		?.		16	4.2
	Z	•	•	6.	7.	4	0	7	0	•	~	•	4.0		. 60	7.	.2	ů,	4 60	7	£.	2,2	32	,	.3	. ·	9	54	77 8.1
<u>e</u> .	N	•	•	•	7	7	ç	9	7	7	m	•	٠.	o c	• →			•			••	-1	2.0	;	o.	•	1.2	35	7.0
ID SPEED	*	•	-	•	7	~	0	0	m	?•	•	4.	o.	•	•		.2	ů.	1 4	*	1.5	4.7	6.3	}	7	1.2	1.5	44	159
VS WIND S	MSM	•	•	•	7	7	0	•	.2	4.	0	•	o c		~	.1	9.	4.0	13	•1	9.	7.7	4.5	2	.3	4.	•	28	9.6
710N	NS	•	•	٠.	7	7	1.	•	•	4.	n	.2	?.	•		•	2.	•	12	•	1.2	•	35		•	0.0		27	9.6
O DIREC	NSS.	•	•	•	7.	7	•	•	7	2.0	9	•	٠,5	•	3		2.	9 4	14	٠.		· ·	21	•	•	2,	.2	11	55
DF WIND ARYING VA	S	•	•	۲.	• 5	m	0	7	• 5		*	.1	oʻ.	. r.	•	•	۳.	0.0	20	•	e.	1.9	37		•	• •	7	•	82
REQ H V	SSE	•	•	•	•	0	0	•	•	ů	9	•	o,	-: (	4	•	7,	ů.	13	•		4	12	:	•	2.4	•	•	96
PERCENT F	SE	0.	?	•	•	0	0	0	7.	- <b>,</b> (	7	7	u .	40	۰		e.	1.	12	•	7	<b>ن</b> ر	13		ú	, a	۰	20	5.5
•	ESE	•		•		7	0	0		•	-	•	•	• "		•	ů		0	•	•		• •	)	•		. 7.	u1	28
	ш	•	•	•		-	0	0	7.	٠٠٠٠ (	7	•	•			•	•		13	•	7.	•	13		•	. r	7	11	51
	ENE	•	•	٥.	0	0	0	•	•	-: <i>-</i>	-	•	oʻ.	, ,		0	•		5	•	•	-: "	, o	•	0	0,1	7	'n	2.5
	N N	•	•	.2	•	7	0	•	•	o c	>	•	٠,٠	? `	. "	•	~	2 %	4	0	.5		• 0	•	7	7.4	7	0	27 2.8
	NNE	0	•	٠,	0.	7	•	•	0	0	>	•	0	200	-	0	7.	• •	7	•	ů,	ů,	• •	ı	0	•	m	Ŋ	17
	z	•	•	•	•	0	•	-1	•	0	•	•	; ∘	9 4	in	•	0.	* 4	80	•	<b>.</b>	ů,	140		•		, m	16	4.0
	SPD	6-0	4-10	11-21	22+	TOTAL	0+3	4-10	11-21	22+	101AL	0-3	4-10	17-11	TOTAL	0-3	4-10	11-41	TOTAL	0-3	4-10	11-21	T01AL		6-0	11-21	22+	TOTAL	TOTAL PCT
	VSBY		<1/5					1/2<1					1<2				2<5				2<10				:	+01			

	4										D/QNY	TOTAL
	ATTU 172-180E	e.	TOTAL OBS	165	149	143	132	589			F VSBY (NM) /8),BY HDUR	NH <5/8
-	AREA 0010 51-55N	9	NH <5/8 ANY HGT	20.6	14.8	35.7	21.2	135		TABLE 12	CUMULATIVE PCT FREQ OF RANGES OF VSBY CEILING HGT (FEET,NH >4/8),BY	<600 <1000 1000+
	AR N	ERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND OCCURRENCE OF NH <5/8 BY HOUR	TOTAL	79.4	85.2	**	78.8	454		TAI	FREQ OF HGT (F	<600 <1
		EET, NH OUR	<b>8</b> 000+	1.8	2.7	3.5	3.0	16			VE PCT CEILING	<150
		HTS (F	6500	4.2	2.0	1.4	5.3	3.2			MULATI	HOUR
	10	G HEIG NH <5/	5000	3.0	2.0	1.4	3.0	14			3	Ι
	TABLE 10	ENCY OF CEILING HEIGHTS (FEET, OCCURRENCE OF NH <5/8 BY HOUR	3500	14.5	10.1	9.8	12.9	70				
		CY OF CURREN	2000	16.4	19.5	17.5	18.9	106				10+ TOTAL
		REQUEN DC	1999	26.7	36.2	20.3	26.5	162 27.5			Y HOUR	10+
		CENT F	666	7.3	4.7	4.2	6.8	5.8			FREQUENCY VSBY (NM) BY	5<10
		PER	300	2.4	3.4	2.1	80	13		TABLE 11	VSBY	2<5
			150	9.	.7	.7	80	41.		TA	QUENCY	1<2
	968 968		000	2.4	4.0	3.5		16				
	1945-1968 1901-1968		HOUR (GMT)	60300	60390	12615	18621	TOT PCT			PERCENT	<1/2 1/2<1
	(PRIMARY) (OVER-ALL)		10		J	-	-					<1/2
												HBUR
	PERIOD:											
	-											

	AND/OR	TOTAL	164	147	140	130	127 581 21.9 100.0
	BY (NM) BY HOUR	H <5/8	19.5	15.0	34.3	19.5	127
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	<pre>&lt;150</pre>	56.1	59.9	45.0	54.6	314
	OF RANG	<1000	9.1 24.4	4.1 10.2 25.2 59.9		4.6 26.2	47 140 8.1 24.1
	FREQ 3 HGT	<b>6600</b>	9.1	10.2	7.9	4.6	47
	IVE PCT CEILING	<150 <50YD	2.4	4.1	12615 2.9 7.9 20.7	ω.	15
	CUMULAT	HOUR (GHT)	60300	60390	12615	18521	TOT
		TOTAL GBS	164	147	140	130	581 100.0
	SY HOUR	5<10 10+	37.8	27.9	37.1	33.8	278 199
ı	S W S	5<10	43.3 37.8	54.4 27.9	49.3 37.1	44.6 33.8	278
1	PERCENT FREQUENCY VSBY (NM) BY HOUR	2<5	10.4	12.2	4.7	16.2	67
	FREQUEN	1<2	3.0	1.4	1.4	3.1	13
	FRCENT	1/2<1	3.7	.7	3.6	1.5	14 2.4
	Δ.	<1/2	1.8	3.4	.7	80	10
		HOUR (GMT)	£0300	60390	12215	18621	TOT

0000000

0000000

CALM

107AL 1399 124 40 125

		TEMP	VAR	•	•	•		•	0	•			HOUR	MEAN	80	7 o	8 4	87
		<b>B</b>	Z	•	4.5	5.0	2.4	.2	53	12.5				90-100	8.99		52.8	230
80E		DIRECTION	*	1.7	9.9	10.2	2.8	•	6	21.3			RELATIVE HUMIDITY BY				23.2	
ATTU 172-180E	14	MIND DI	NS	1.2	6.6	5.0	1.2	•	73	17.3	<b>9</b>		IVE H	80-89				
0010 5N	TABLE	H	S	4.3	4.5	5.4	•	•	47	11.1	7 A B I	304		70-79	15.1	200	15.2	9
AREA 0010 51-55N		FREQUENCY	SE	1.2	5.4	5.6	.7	•	42	6.6			NCY DF	69-09	7.2	0 v	7.5	30
			ш	6.	7.1	3.1	•5	•	4 8	11.3			FREQUENCY	30-28	1.4	0 0	9	∞
		PERCENT	N W	.2	5.6	4.7	.7	•	35	8.3			PERCENT	0-29 3	ç	2 0		0
			Z	•	2.8	4.7	.7	°	35	8.3			•	HOUR	60300	125.15	18621	TOT
		1	E R	6.6	43.5	37.6	8.7	•2	100.0									
		TOTAL	088	42	184	159	37	~	423				HOUR	TOTAL	257	767	244	916
		TEMP	90-100	5.9	23.2	20.6	4.5	• 5	230	54.4			F) BY	MEAN T		0.0	38.2	6.3
		ITY BY	80-89	•	•	7.6	1.9	·	88	20.8			OEG	MIN			27 3	
		HUMID	62-04	1.9	6.1	2.1	2.1	•	67	15.8			OF TEMP	1%	53	280	28	28
	TABLE 13	RELATIVE HUMIDITY	69-09	.2	4.3	5.4	•5	o.	30	7.1	ı,	•		2%	35	1 6	31	31
1968	T.	A.	50-59	•	5.	1.4	•	٥.	<b>60</b>	1.9	TAR! F 15	4 110 10 10	PERCENTILES	20%	39	76	- 8	38
1945-1968 1901-1968		FREQUENCY	65-05	•	•	•	°.	•	0	•	•	-	AND	95%	5	7 T	4	45
(PRIMARY) (OVER-ALL)			30-39 40-49 50-59 60-69 70-79	•	o,	•	•	•	0	•			MEANS, EXTREMES	866	91	- K	47	47
PERIODI (PRI		PERCENT	0-29	•	•	o.	•	•	0	•			ANSJE	MAX	47	0 cc	8	¢ %
						35/39		25/29		PCT			Ī					

TABLE 17

AREA 0010 ATTU 51-55N 172-180E

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

2	FOG	1.0	4.2	1.9	5.6	5.7	9.3	6.9	11.1	6.1	11,3	11.0	8.1	9.6	3.4	2.5	•2	580	97.8
3	FDG	•	•	6	.2	.2	.7	•	•	.2	.2	•	.2	ů.	•	•	•	13	2.2
TUL		•	25	13	34	35	59	41	99	37	68	65	40	59	20	15	-	593	100.0
45	<b>4</b> 8	1.0	. 7	1.3	•	•2	£.	~	7.	•	•	•	•	•	•				
41	4	•	3.5	8	4.0	3.0	3.5	3.5	1.2	1.0	'n	•	•	•	•	•	•	119	20.1
37	40	•	m.	•	1,3	2.7	5.6	3.5	6.	4.4	6.2	4.6	1.9		•	.2	•	241	40.6
33	36	•	•	•	•	•	œ	•	·.	æ	4.7	6.2	6.1	5.1	1.3		~	155	_
59	32	0	•	¢.	•	•	•	•	0	0	• 5	.2	<b>ب</b>	4.2	2.0	.7	•	45	7.6
25	<b>58</b>	•	•	•	•	•	•	•	•	•	•	o.	•	•	•	1.3	•	00	1.3
AIR-SEA	MP DI	'n	4	M	7	~	0	7	-2	e -	4	'n	9-		_	-11/-13	-14/-16		PCT

PERIODS (PRIMARY)

NOVEMBER

)E			TOTAL	0	۰.	<b>-•</b> (	~ <	٠.	۰ ،	<b>v</b> 0	•	> -	• 0	3	0	0	0	0	0	<b>&gt;</b> c	-	5.6		TOTAL	0	<b>→</b> (	o -	<b>→</b> (*	<b>M</b>	<b>→</b>	<b>→</b> ·	• (	۰ د	• -	• 0	• •	0	0	0	0	9	7.
ATTU 172-180E			48+	٠.	•	•	o c	•	•	•	•			0	•	•	•	•	•	9 9	0	•		484	0	•	့ (	9 0	•	o.	0,1		•	•	C	0	0	•	0	ှ (	•	
A C010	FT)	NE	4-4	• ·	•	•	•	•	•	•	•	?	9	•	•	•	•	•	•		7	1.	SE	34-47	•	•	• ·		7	•	4.	•	•		0	•	•	•	•		•	
AREA 51-	HEIGHTS (		22-33	0,0	•	•	• •	•	•		•	4	0	0	0.	0	•	•	•		7	.7		22-33	•	•	•		*	*	•	•	•	•		•	•	•	0.	j.	•	•
	SEA HE		11-21	•	•	•	•	•	• ·	9		9	0	•	•	•	•	•	•	20	m	1.1		11-21	•	*	• c	•	0	•	•	•	•	•	0	•	•	•	•	•	•	
	VERSUS		4-10	•	o c	•	0					2				•			•	•	0	•		4-10				2	•	0.	•	•		9 9	•	•	•	•	•	•	•	
<b></b>	DIRECTION		1-3	•	•	•	•	•	•	•		9	0	•	•	0	•	•	•	9	0	•		1-3	•	•	•	•	•	•	o c	•	•		0	•	•	•	o c	•	?	
TABLE 1	AND DIR													_	_															_				_		_	_	_				
	(KTS)		TOTAL	-	ar c		-	•	- •	n c	•	<b>o</b> C			0	0		3 (	<b>5</b> C	, 0	16	5.8		TOTAL	0	<b>.</b>	,	, r	. ~	0	<b>-</b>	- (	,	0	· <b>a</b>		0	0	0 0	9 6	9	
	SPEED		48+	•	•	•	•	•	•	9 9	9	9	9	•	•	•	0.0	•	•	9	0	•		48+	•	2 9	5		0	•	•	•	2		•	•	•	0	•	•	•	•
	OF WIND		34-47	•	•	•	• •	•	•					•	•	•	•	•	•	•	*	1.5		34-47	•	•	• ·	. 4		•	•	1					•	ပဲ	•		•	
	FREG	z	22-3	•			4.0						0		•					0		1.1	ш	22-3			•		4	•	**			0	0	0	•	•	•		•	•
ω,	PCT	-	_		•		o 1		•				90	•	•	•	•	•	•	•	4	1.5									•					•			o c			:
963-1968			4-10	•	7	•	٠, c	•	•	•	C	9								0		1.8		4-10															ဝှင			:
MARY) R-ALL) 1			1-3				òć					9								•		•		1-3							•				•				o c			:
) PRIM (OVER			HGT	₹.	7-1	* .	0 ~	. 0	1001	127	1	17-19	0-2	3-2	6-9	3-6	1 = T	1 10	1	87+	TOTAL	_		HGT	ť.	•	4 L	-		10-11	12	1 7	10	3-2	6-3	3-4	1-4	9-6	61-70	740	- +	

PER

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																										GRAND	9	33	59	38	38	17	<u>6</u>	5	2		۸ م	M	0	O	0	0 0	<b>5</b> C	376	100.0
			1	IDIAL	٠,	2 5	90		•	00	•	•	6	0	0		0	0	0	0	0	0 ;	۹,	23.4		TOTAL	m	•	13	~	S.	<b></b>	m (	<b>&gt;</b> -	• 0	• 0	0	0	0	0	0	00	<b>&gt;</b> c	75	13.5
ATTU	1/2-180E			+ (			•		•				•		0		0.0		0	•		•	٠,	•		+8+	•	•	•	•	•	ပ္	•	•				•				•	9	•	•
AREA 0010	NCC	FT)	•	*	•		4	4.		.7	•	4.	4.	0	0.	*	•	•	•	0.0	0	0.0		6.0	×	34-47	•	•	•	•	•	0	4 (	•	2	0	•	•	•	0	•	•	9	} -	4
AR	16	HEIGHTS (		٥ (	•	•	2.2		•	1.8		.7	4.		•	•	•	•	•	•	•	90	200	•		22-33	•	•	*.	.7	1:1			•	9	0	0	•	•	•	•	•	9		3,3
		SEA		17-11	•	0 0	. 7	4.	4.	4.	4.	•	•	•	•	•	o.	•	•	•	•	0 ;	77	•		11-21	•	2.2	4.0	1.1		•	*	•	2	0	•	•	•	0.	•	9 9	•	23	4.8
		VERSUS			• -	•	•	•	•	•	•	•	•	•	•	•	•	•	?	•	•	•		•		4-10	.7	•	4.	•	•	0	•	•	9	0	0	•	•	•	o c	9	9	(1)	1:1
BER	2	DIRECTION					0			•	0.	0	•	•	•	•	•	•	•	•	•	· -	- √	•		1-3	4.	•	0.	٥	•	0		9	•		c.								4.
NOVEMBER	404	(KTS) AND	14.4	5	۰ د	4 40	ω	11	7	•	4	7	0	۰.	→ (	> 0	<b>5</b> C	> 0	> 0	<b>&gt;</b> (	0	<b>&gt;</b>	,	•		TOTAL	1	01	23	12	~		<b>1</b> °	<b>n</b> «	. 0	7	0	2	0 (	0 0	0 0	<b>o</b> c	• 0	80	29.5
		SPEED	107	•			•	.7	°.	*		•					•	•	•	•		•				+8+	•	•	•	•	۰	9 (	•	•	•	•	0	•	•	•	•	9 9		2	.7
		OF WIND	2447					.7	•	1.5	•		•	•	•	•	•	•	•	•	•	• [	2	•		34-47	•	•	•	•	•	•	1.1	• 4	0	•	0	4.	o c	•	o c	9 9		1	5.6
		T FREQ					7													•				•	1	22-33	•	•	1.5	4.	•	1.1	•		0	.7	•	*	•	•	•	9 9	0	20	7.3
œ.	5	<b>6</b>	11-21	•		•	1.5	•					o c			•						5 4		•	•	11-21	•	•	•	3.6	•				•	•	•				•		•	40	14.6
1063-106			01-4	• •			•													•			4		•	01-4		•			•			0				0				0			3,3
1ARY)	,		1-2	•	0	•	•	•	•	•	o o	•	•	•	•	•	•		•	•	•	•	ç	2		<u>-1</u>	4.	4						•	•	•	•	•	•			0		7	.7
ERIOD: (PRIM			100	5			2-6	1	8-9	10-11	12	3-1	61-01	2-6	7-6	4-6	4= :	4-0	7		1 1 0	TOTAL	۵ (			5	7	1-2			- 0	) (	٠,	. 7	7	•2	7	٠,	* 1	4	ין פ	71-86	+	TOTAL	PCT

WIND SPEED (KTS) VS SEA HEIGHT (FT)

ATTU	172-180E
A 0010	
AREA	51-

TOTAL		34	59	39	38	17	36	13	23	M	m	2	ım	0	0	0	0	0	0		100.0
484	•	•	0	0	.7	•	1.1	•	1.4	0	•	.7	•	•	0	0	•	•	0	11	4.0
24-47	•	•	•	•	1.8					4.	•		.7		•		•	•	•	48	17.3
22-33	•	၀	•	•	6.9	•		•		.7	1.1	•	4.	•	•	•	•	•	•	82	29.5
11-21	•	8.3	14.7	7.6	4.3		1.1	.7	.7	•	•	•	•	•	•	•	•	•	•	106	38.1
4-10	1.1	3.5	3.6	4.	°.	•	•	•	•	°	•	•	•	•	°.	•	•	င့	0.	23	B 6
0-3	1.8	.7	•	4.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	80	5.9
нст	-	1-2	3-4	5-6	7	8-9	•	12	3-1	7-1	0-2	3-2	6-9	3-4	1-4	1	1-7	1-8	~	TOTAL	Ü

TABLE 19

110 87 113 13 150 160 1000 00000000 12 13-16 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86 000000000 00000000 000000000 000000000 PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS) 000000000 000000000 000004040 044404024 00000000 8-9 10-11 1.4 1.4 2.6 7.2 2.6 7.2 0.0 0.0 21 51 4.2 10.3 V4W 0 n w4 .... a 24 000000001 

SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC | SEC |

		TOTAL OBS	33	0 7	5 .	24	22	4	28	04	38	39	39	61	23	27	13	0	•	545	100.0
TTU 72-180E		ENA NO SIG	60	٧٠٧	•	2.4	2.0	4.2	3.5	4.8	5.3	4.0	5.9	7.9	3.5	5.6	1.5	•	1.1	347	63.7
AREA 0010 ATTU 51-55N 172-	N.	MEATHER PHENDMENA MOKE DUST NO HAZE BLWG DUST SIG	o e	•	•		o.	•2	•	°.	•	•	•	•	•	o.	•	•	•	•	•2
AREA 51-	DIRECTION	R WEAT SMOKE HAZE	0.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.	0	•
	IQ QNTM	FOG SP	•	•	•	. ~	•	•	4	4.	.7	•	•	•	•	•	•	•	0	•	1.7
	<b>6</b>	THDR	0,0	•	•	9	•	•	0	•	•	•	•	•	•	•	•	•	0	0	•
-	OCCURRENCE	TOTAL PCPN DBS	71	, c	, 1	28	11	21	_	12	50	4	_	18	4	13	50	0	0	188	
TABLE	* WEATHER	PCT FREQ PCPN AT OB TIME	3.1	4.4		5.5	2.0	3.9	1.3	2.2	٥.	.7	1.3	9.9	.7	5.4	¢,	•	•		34.5
	ENCY DF	HAIL	0.0	• ·	•	•	0	•	•	•	•	•5	•5	•	•2	•	•	•	•	4	٠.
	FREQUENCY	TYPE OTHER FRZN PCPN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•
	NTAGE	SNOW C	2.8	,	1	2.8	1.5	2.2	4.	.7	4.	9.	1:1	2.2		2.0	9.	•	•	120	22.0
	PERCE	PRECIPIN FRZG PCPN	0,0	•	•	•	•	•	•	•	•	၀	•	•	•	•	•	·	•	0	•
		DRZL	7.0	• ^	1	1.3	•	1.3	9.	• 5	4.	•	•		•	.2	.2	•	•	30	5.5
1943-1969 1907-1969		RAIN	o, r			•	.2	•5	•	4.	•	•	•	4	•2	•	•	•	•	Φ	1.7
		RAIN	2,0			1.5	9.	•5	4.	6.	• 5	•	•	4	•	.2	•5	•	•	93	6.1
(PRIMARY) (OVER-ALL)		WND DIR	Z 2	J 11.	W.Z.	<u>.</u>	ESE	SE	SSE	S	MS'	NS	I OF	3	Z	Z	X Z Z	VAR	CALM	TOT 085	TOT PCT
PER100:																					

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TABLE 2

TOTAL	142	151	112	150	555	100.0
IENA NO SIG WEA	66.2	55.0	75.9	60.7	353	63.6
OTHER WEATHER PHENDMENA FOG SMOKE DUST NO WO HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	•	•	•			.2
R WEAT SMOKE HAZE	•	•	•	•	0	•
FOC NO PCPN	1.4	5.6	1.8	1.3	01	1.8
THOR	•	0	•	•	0	•
TOTAL PCPN OBS	46	49	25	56	191	
PCT FREQ PCPN AT OB TIME	32.4	45.4	22.3	37.3		34.4
HAIL	1.4	•	1.8	•	4	.7
TYPE OTHER FRZN PCPN	•	•	•	0	0	•
SNOW	24.6	26.5	10.7	22.0	120	21.6
PRECIPIT FRZG PCPN	0.	•	o.	•	0	•
DRZL	3.5	0.9	7.1	7.3	33	5.9
RAIN	2.1	2.0	•	1.3	0	1.6
RAIN	2.1	6.6	4.5	7.3	34	6.1
HOUR (GMT)	60300	06509	12515	18621	TOT	PCT

DECEMBER

		21	C 1401 101 101 100 100 100 100 100 100 10		
		18	448844448848484 40 6484444884844 6484444484848	គ	œν. r ໝ ຍ ໝ r ໝ o o v o
3081		15	00000000000000000000000000000000000000	2	1001 1001 1001 1001
ATTU 172-1		GMT) 12	040VF44W@@@W444Q1	₩.	12001 1001 1001 1001 1001 1001
0010 5N		HOUR (6	#	13	00 00 00 00 00 00 00 00 00 00 00 00 00
AREA (		Ŧ,		GMT)	11 11 12 12 13 14 15 16 16 17 16 16 16 16 16 16 16 16 16 16 16 16 16
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	ED AND	00	。 。 。 。 。 。 。 。 。 。 。 。 。 。	m	001000000000000000000000000000000000000
	SPEE		7	0	20 20 20 100
	10N BY			0	
n)	DIRECTION	MEAN	40000000000000000000000000000000000000		
TABLE	FWIND	PCT	Lu	PO	04048878009
	ENCY 0	TUTAL	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	PCT	100.00
	E FREQU	<b>48</b> +	000-1000-100000000000000000000000000000	TOTAL OBS	118 100 100 100 100 100 100 100 100 100
	ERCENTAG	34-47	4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	41+	0
696	PE	ED (KNOT 22-33		(KNDTS) 28-40	11 12 18 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1943-19		ND SPE 11-21	$\alpha$	SPL.D 17-27	WW4W444W 44 4040-0400 00
MARY) R-ALL)		4-10	0 N 14454 44040 010 010	WIND 7-16	W B 3 4 4 9 4 5
(PRI		ار ا 0		9 0	0.00 1 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 1
PER 1001		WND DIR	TO TO TO TO TO TO TO TO TO TO TO TO TO T	WND DIR	A

AREA DOTO ATTE	51-55N 172-180E
	TABLE 4
	(DVER-ALL) 1907-1969
PERIODS	

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

TOTAL	088	220	213	128	226	787	
PCT	FREG	100.0	100.0	100.0	100.0		100.0
	MEAN	16.9	15.8	18.5	16.1	16.6	
	CALM	'n	6.	2.3	0	9	8
(NDTS)	484	5	'n	o.	0	7	6
SPEED (1	34-47 48+ C	5.9	3.8	9.6	5.8	45	5.7
MIND	22-33	22.3	21.6	24.5	21.2	174	22.1
	11-21						
	1-3 4-10	26.8	28.5	20.3	31.4	216	27.4
	1-3	3.6	7.0	•	5.3	35	4.4
	HOUR	0000	60390	12615	18621	TOT	PCT

TABLE 6
TABLE 5

			AL IS	22	18	32	12	25	19	31	27	45	33	39	33	43	22	22	14	0	•	440	0
			8 TOTAL																			7	100.0
	(8/+		NH <5/8	1.4		1.8	5	1.4	5	۲.	• 2		1.4	2.0	3.4	2.5	1:1	1:1	6.	•		96	21.8
	V HN	N O	8000+	•	•	5	•	°	ŗ.	•2	•	6.	•	•5	٠,	•	•	.2	0	•	•	13	3.0
	HEIGHTS (FT.NH >4/8)	DIRECTION	6500 8 7999	.2	o.	•	• 5	•	9	0	•	0	•	.2	•	•5	•	•	0	•	•	4	٥.
	HEIGH	MIND	5000	0.	• 2	•	•	၀	•	•	•	?	•	• 2	•	•5	•	•	•	•	0	m	۲.
	EILING	<5/8 BY	3500	•	0	0.	•	•		.7	٠.	~	.2		٠,	•	•	•	2.	•	•	15	3.4
,	FREQUENCY OF CEILING	Ĭ	2000	6.	2.0	2.3	1.1		1.1	1.1	6.	205	1.8	2.5	1,4	3.0	۲.	1.4	6.	•	٠.	109	24.8
1	EQUENC	NCE OF	1000	1.6	1:1	2.3	6	3.2	1.4	3.6	3.2	2.5	3.0	2.5	1.4	2.3	2.3	.7		•	ņ	145	
		OCCURRENCE	009	.7	•	٠.	•	٠,	• 5	٠.	ŗ.	٥.	2,	ŗ.	5	1.4	6.	٥.	•5	•	•	35	8.0
	PERCENTAGE	AND	300	.2	•	•	•	•5	•	•	7.	•	•	•	•	•	•	٠,	7	•	•	~	1.6
	ū.		150	•	•	•	0	•	•	•	•	•	•	0	•	•2	•	•	•	•	•	-	• 5
			149	•	•	•	•	•	•	• 5	٠,	.7	6.	•	.2	•	•	•	•	•	•	12	2.7
	TOTAL CLOUD AMOUNT (EIGHTHS)	MAN	CLOUD	6.1	6.9	9.9	7.3	7.5	7.1	7.6	7.6	7.4	6.9	6.9	5.5	6.7	6.1	5,8	5.9	0.	0.9	•	
	DUNT (E	NOI	TOTAL OBS	22	18	32	12	25	19	31	27	75	33	39	33	4		22	14	0	•	440	100.0
	LOUD AP	DIRECTION	8 £	1.6	2.0	4.8	1.8	2.0	3.6	5.0	5.5	7.5	2.0	5.0	2.0	•		1.6	1.4	•	5	268	60.09
•	TAL CI	NIN	5-7	2.5	1.8	1:1	. 7	.2	.2	6		1.6	1,0	9,0	3.2			2.3	•	°.		113	25.7
	P	80	3-4	50	0	.2	• 2	2.	•	.2	•		۲.	٥.	1.6	1.4		'n	. 7	0		B	8,2
	T FREQ		0-5	5	2.	7,7	ů,			0	~	o.	'n	•		• 5	~		.2	•	•	23	5.2
	PCT		WND DIR	z	ZZ	2		w.	ESE	S	SSE	S	SSE	S	<b>ESE</b>	2	2	Z	X Z Z	VAR	CALM	TOT 085	07 PC

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ATTU 172-180E			
AREA 0010 51-55N		# 80 80	00000000000000000000000000000000000000
	NCE	= 0R >50YD	047777 04777 04777 0407 0407 0407 0407
	OF SIMULTANEDUS DCCURRENCE (NH >4/8) AND VSBY (NM)	- GR >1/4	00000000000000000000000000000000000000
	LTANEDUS 8) AND V	) = OR >1/2	W4777777777777777777777777777777777777
TABLE 7		VSBY (NH)	00000000000000000000000000000000000000
	PCT FREG G HEIGHT	• 08 22	711000 711000 711000 711000 71000 71000
	CUMULATIVE PCT FREG OF CEILING HEIGHT	• 0R	00000000000000000000000000000000000000
	¥ D	* DR	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
1943-1969 1907-1969		CEILING (FEET)	# 17x >6500 # 67x >5000 # 0x >3500 # 0x >2000 # 0x >1000 # 0x >300 # 0x >150
PERIOD: (PRIMARY) (OVER-ALL)			
PERIODI			

TABLE 7A

PCT FREQ NH <5/8: 21.0

TOTAL NUMBER OF OBS: 447

PERCENTAGE FREG OF LOW CLOUDS (EIGHTHS)

TOTAL	410
08800	2.8
00	53.2
7	5.7
•	8.3
ın	9.1
4	6.2
m	4.9
2	5.7
-	1.5
0	1.1

		PCT	21.0	50 P	6.9	8 6 8 8 8	10.7 24.6 35.4	32.4	100.0
		TOTAL	7 7 14	28 1 29	44	4 6 9 4 0	193	10 175 185	540 1
		CALM	•••	•••	000	000	1,00	000	9:1
30E		VAR	000	000	000	000	•••	000	00
ATTU 172-180E	PRECIPITATION	X Z Z	•••	024	400	150	4.01W	0.00	13
AREA 0010 51-55N	PRECIP	Z	%0.⊣	70.1	1. 0.	444	N 0 4	1.7	28
AREA 51-	P	Z	•••	000	4.00	027	2.0	40%	22
	URRENC	3	204	1.0	000	0 r o	3.1	3.9	59
	NON OCCURRENCE SIBILITY	E SE	401	701	000	000	1.9	9.0 19	39
	E OR OF VI	M S	000	000	000	01.4	3.1 20	2.2	39
æ u	DCCURRENC IG VALUES	MSS	01.4	701	20.4	41.0	1.0	3.1	38
TABLE	VS	S	₩.4W	704	000	L 410	3.0	1.7	4.0
	TT.	SSE	027	NO4	701	000	460	0.4.8	28
	ND DIRE	SE	000	000	000	1.1	1.3	1.9	8.0
	OF WIND	ESE	70,1	\$ 0 m	000	000		- 1 - 1 - 1 - 1	22
	T FREQ	ш	70.7	• o · w	1.3	2.0	1.1	2.0	7.6
	PERCENT	EN EN	000	L.04	000	400	1.00	0.00	3.1
1943-1969 1907-1969	_	Z Z	70.1	400		1.1	1.7	2.0	9.3
		W N N	000	00 m	200	000	1.00	1.5	3.7
(PRIMARY) (OVER-ALL)		z	000	400	0.0 m	10.1	1.1	2.2	6.5
			PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TUTAL	PCP NO PCP TOTAL	TOTAL PCT
PERIODI		VSBY (NM)		1/2<1 N	1 4 2	2 Z F	5<10 N	10 +	-

	PCT	7,000.7	715.00	80 - W G	1 2 4 5 L	1.0 7.9 113.6 9.5	1.8 8.7 8.7 8.7 8.7	0.00
	TOTAL	14721	100 100 400	26 20 66 66	12 43 41 134	62 106 74 250	14 68 124 68	781 1
	CALM T	• •	• •	• •	• •		ė n	98.
10E	VAR	00000	00000	00000	00000	00000	<b></b>	44
ATTU 172-180E	Z Z	60000	00-10-	0.10,00	00144	0-4-4-0	0 4 4 4 4	24 3.1
AREA 0010 51 <b>-</b> 55N	Z	0	20.404	4 4 4 8	4.0.00	44440	1.0	6.3
	N	00000	01100	oùù ∸n	44004	04404	-in40m	33
ND SPEE	<b>3</b> ≇	00-0-	0444	04441	4 6 2 6 2	20400	1.00	84 10.8
VS WIND S	MSM	00.00	01,00	000.	-44,00	100	24	54
E 9  ND DIRECTION VI	N.S.	00011	00000	00000	ooniin	1.88	22.4.0	48 6.1
LE 9 ND DIRE	NSS	0-404	20.10-	01100	444	01990	0.1 4.4 8.1 18	5.6
TABLE	S	0-10-	0-1-0-0-0	0:1:0	0	1.21	11004	7.2
F.	SS	0.100-	01010	00011	0,4,4,0	0,000	ဝင်ဆယ်ဆ	4.2
PERCENT	SE	00000	0	0 0 4 4 5	1.29	0 4 4 4	1.00.1	7.0
_	ESE	00101	0-404	0.1000	11010	0,000	04661	32
	ш	00011	00444	0 -1 - 0 - 0	1.0000	04900	0.1 0.1 81	62
	ENE	00-0-	004411	01100	00-44	0 4 4 4 4	04440	3.3
-1969	Z W	0.100-	0,000	44440	0 4 4 4 6	32.00	1.8 1.7 1.1 28	90
1943-1969 ) 1907-1969	NNE	00000	00-1-4-4	00000	00000	00041	0.1.8.4.1	3.2
(PRIMARY) (OVER-ALL)	z	-0000-	01010	440-1	44004	1.00	11.25	7.6
ERIOD: (PR)	SPD KTS	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+	0-3 4-10 11-21 22+ TOTAL	0-3 4-15 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL
PERI	VSBY (NM)	<1/2	1/2<1	142	2<5	5<10	10+	

DECEMBER

ATTU 172-180E		TOTAL OBS	119	120	105	108	452 100.0
AREA 0010 51-55N	9	NH <5/8	21.0	17.5	28.6	20.4	98
ARI	PERCENT FREQUENCY OF CEILING HEIGHTS (FEET,NH >4/8),AND Occurrence of NH <5/8 by Hour	TOTAL	79.0	82.5	71.4	79.6	354
	EET, NH DUR	\$000€	3.4	2.5	4.8	6.	13
	1TS (F	6500 7999	1.7	0.	•	1.9	40.
10	ENCY OF CEILING HEIGHTS (FEET OCCURRENCE OF NH <5/8 BY HOUR	5000	0		•	6.	61.
TABLE 10	CEILIN CE OF	3500	4.2	2.5	1.9	4.6	15 3•3
	CY DE	2000	25.2	26.7	25.7	50.4	111 24.6
	REQUEN OC	1000	24.4	40.8	9.5 23.8	4.6 41.7	148
	ENT FI	666	13.4	5.8	9.5	4.6	38
	PER(	300	3.4		5.9	•	8 8
		150	•	•	1.0	•	1.5
696		000	2.5	2.5	1.9	4.6	13
1943-1		HOUR (GHT)	00003	60390	12815	18621	T07
PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1907-1969							
PERIOD:							

	AND/OR	TOTAL OBS	118	118	103	108	447
	HOUR	NH <5/8 AND 5+	19.5	16.1	25.2	18.5	19.7
	VSBY	AND					
12	GES OF NH >4/8	<pre>&lt;600 &lt;1000 1000+ &lt;1  &lt;5 AND5+</pre>	54.2	55.9	50.5	58.3	245
TABLE 12	OF RAN	<1000 <5	5.9 26.3	5.1 28.0	7.8 24.3	5.6 23.1	27 114
	FREG G HGT	<b>6000</b>	5.9	5.1	7.8	5.6	27
	IVE PCT CEILIN	<150 <50YD	2.5	2.5	1.9	4.6	13
	CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR CEILING HGT (FEET,NH >4/8),BY HOUR	HOUR (GMT)	0000	60390	12615	18821	PCT
		TOTAL GSS	118	118	103	108	447
	Y HOUR	10+	44.1	44.1	51.5	46.3	207
_	(NM)	5<10	39.8 44.1	32.2	33.0	35.2	157 207 35.1 46.3
TABLE 11	CY VSBY	5<5	8.5	16.1	6.8	13.9	51
	FREQUEN	142	4.2	3.4	9.6	•	3.1
	PERCENT FREQUENCY VSBY (NM) BY HOUR	<1/2 1/2<1	2.5		5.9	6.	1.8
	α.	<1/2	ω.	3.4	1.9	2.8	10
		HDUR (GMT;	60300	60390	12615	18621	T07 PCT

1943-1969 1907-1969
(PRIMARY) (OVER-ALL)
PER I OD 1

AREA 0010 ATTU 51-55N 172-180E	TABLE 14	PERCENT FREQUENCY OF WIND DIRECTION BY TEMP	N NE E SE S SW W VAR CALM	1.1 1.6 1.3 4.8 5.6 6.6 1.3 3.2 7.4 .0 .5 .5 .7 41 60 7.2 10.9 16.0
PERIOD: (PRIMARY) 1943-1969 (OVER-ALL) 1907-1969	TABLE 13		TEMP F 0-29 30-39 40-49 50-59 60-69 70-79 80-89 90-100 DBS FREQ	40/44 .0 .0 .0 .3 .5 1.6 4.3 4.8 43 11.4 35/39 .0 .0 .0 .1.3 4.3 9.8 12.2 21.3 184 48.9 30/34 .0 .0 .0 .5 4.0 8.2 8.8 15.4 139 37.0 25/29 .0 .0 .0 .0 .0 .0 .3 2.4 10 2.7 TOTAL 0 0 8 33 74 96 165 376 100.0 PCT .0 .0 2.1 8.8 19.7 25.5 43.9

		TOTAL	110 110 37 117
	HOUR	MEAN	
	DITY BY	90-100	44.0 41.8 37.8 48.7
16	VE HUMI	80-89	26.7 22.7 29.7 24.8
TABLE 16	RELATI	70-79	19.0 20.9 18.9 19.7
	PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR	69-09	00.00
	T FREQU	30-59	N.N. O.N.4.O.B.
	PERCEN	0-29	00000
		HOUR	(6M1) 00603 00603 12619 18621 TOT
	Y HOUR	TOTAL	206 206 204 118 744
	G F) BY	MEAN	34450 34450 34450
	IP (DE	NI	24 27 28 27 27
	PERCENTILES OF TEMP (DEG F)	12	29 28 72 72
15	ITILES	5%	30 30 30 30
TABLE 15	PERCEN	205	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	S AND	826	4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	XTREME	366	7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	MEANS, EXTREMES AND	X A K	4444
	_	HOUR	00603 06609 12615 18621 TOT

TABLE 15

TABLE 17

AREA 0010 ATTU 51-55N 172-180E PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION) VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

30	
FUG	0000004400000000
101	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
4 4 1 4	27.117.7400000000000000000000000000000000
37	
33	00041111080000000
29	00000000000000000000000000000000000000
25	27,7,0000000000000000000000000000000000
AIR-SEA TMP DIF	4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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DECEMBER

AREA 0010 ATTU

96		-	5	0	<b>~</b>	•	0	4	m	0	~	0	0	0	0	0	0	0	0	<b>3</b>	) w	מ כ	•		TOTAL		'n	7	•	7	8	<b></b> 4 (	-4 0	9 0	0	•	0	00	•	•	•	0	m,	18.1
ATTU 172-18		0 4	0 (			•	•	•	0	•	0.	•	•	•	•	•	•			•	•	<b>-</b>	•		48+			•	ò	•	•	0	•		•	•	0	0,0	•		•	•	0 0	•
55N	FT)	NE	1	•			•			•	• 2	•	•	•		•			•		•	ې د		u.	7-45	•			5.			9		•							•	0		3.5
AREA 51	HEIGHTS (	,	0.	•	5	°.	•	1.1	5.	•	•	•	•	°.		•	•		•	•	•	, ,	•	-		•	0	•	5.	1:1	o,	ů.	ۍ - د	• •	0		0.1				0	0.		4.0
	SEA HE		7 4	•	•	2.1	•	1.1	•	•	•	•	•	•	•	•	•	•	0	•	•	7	•		11-21	•	3	•	2.1	•	٠.			•	•	•	•	•				•		•
	VERSUS	01-7	•		•		•				0.				•		•		•		•	7 [	•		4-10	5	2.7	•	0	•	o.	0	•	0	0	•	o e	o c	•	0	0	0		3.5
E 18	DIRECTION	1.2		•		•	0	•	•	၁ ်	•	•	•	•	c•	•	•	0	•	•	•	9 6	:		1-3		•		•	•				•		•			•		•	•	9 0	•
TABL	(KTS) AND	TOTAL		0	0	~	M ·	۰ م	*	0	0	0	0	0	0	0	<b>o</b> (	<b>o</b> (	<b>3</b> (	<b>o</b> c		0.6	•		TOTAL	-		4	<b>→</b>	m	01	<b>n</b> -	C	0	0	0	0 0	<b>&gt;</b> C	• 0	0	0	٥٥	4	0.01
	SPEED	48	•		•						•								•			•			48+	°.	·							•								o c	<b>&gt; &lt;</b>	•
	OF WIND	74-45	•		•						•	o.		•		•				•		• 15			24-47	•								•			00				•	•	<b>&gt;</b> C	•
	T FREG C	Z 44-76	•				•												•			2.1	•	w	22-3	•	•	•	•	1.6	•	•			•	•	<b>•</b> •	• •	0	•	•	0,5	2 6	•
69	PC			•	•	•	·	•	•	0	•	•	•	•	•	•	•	•	ò	•	• -	2 6	•			•	•	2.1		•	o,	, u		•	•	•	o c	• •	•	•	•	o c		•
1963-19		_	1:		0	•	္	•	o o	•	•	•	•	•	•	•	•	•	•	•	•	1.1	•		4-10	٠. د	٥.	•	0	•	9	•	•	0	0	0.0	• c	. 0	•	•	0	°.	4 K	•
-ALL)			•																			•			1-3	•	•	•	•	j.	•	, ,	•	0	0	•	•	•	•	•	•	o c	9 6	,
(0VER		Ė			3-4		-		1 0	77	3-1	-	2-0	3-5	0	316	† ·	10	1	174	٠.	PCT	•		HGT	_	1-2			-	200	100	9		0-5	3-5	9-0	1-4	9-6	1-7	1-8	+ 20 +	- 6	•

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4.

_	
ARY	
(PRIMARY	
1001	1
FR	)

																						GRAND	-	11	91	9 5	17	90	0 %	<u>,</u> ~	0	c ·	00	0 0	0	0	00	2 8	•
)e		TOTAL		0	<b>~</b> u	<b>-</b>	• ന	m (	<b>o</b> 10	n ~1	0	0	<b>&gt;</b> c	0	0	0	0		٧,	16.9		TOTAL		-	⊶ 、	<b>\$</b> (4)	0	۰ ۲	<b>→</b> ~	0	0	0	0 0	0	0	0	<b>o</b> c		7.4
ATTU 172-1806		484	•	•	o c	•	•	•	9 0	•	•	္	9 0	•	0	0.	•	0.0	0	•		48+	•	•	o c	•	•	0.	9 6	•	•	•	0 0	0	•	0,		• =	•
A 0010	<b>FT</b>	SW 34-47	•	0.		•										•	•	0,0		1 • 1	3	34-47	•	•				0.0	2 2	?		္ (	• •	•	•	•		•	•
ARE	IGHTS (	22-33	•	0.1		0		0,0			0.		9 0			•	•	o c		1		22-33	•	•		1.6	•		, ₁			0.0			•	0.		•	3.7
	SEA HE	11-21	•		7.6	• •	1.6	•		•	0	3	2 0	0	•	•	•	0,5	07 0	•		11-21	•	•	•		•	0 4	, 10	?	•	•	9 9	•	•		• •		2.7
	VERSUS	4-10	•	0.		0	0	•	9 0	0	o,	φ. C		•	•		•	·	<b>→</b> u	•		4-10	•					၁့	•		¢.				•	0.	0 0		1.1
MBER Le 18	DIRECTION	1-3		0.0						•							•	o o	•	•		1-3	•	•					•				90			0.		•	•
DECEMBER Table 1	(KTS) AND	TOTAL		4.0		. 74	0	<b>0</b> n	n	0	0	9 0	0	0	0	0	0	0 42				TOTAL	0	01	n 4	<b>1</b> N	8	oo r	n 4	0	0	0 0	<b>.</b>	0	0	0 (	<b>&gt;</b> 0		14.9
	SPEED	, 80 +	•	•	9	•	•	o c	•	0	ဝ (	9 9	•	0	0	0	•	•	<b>•</b>	•		<b>+8</b> +	•		•	•	•	o c	•	•	0	• °		0	·	•	20	0	•
	OF WIND	34-47	•	0.0							• ·	•			ပ္		္ (	٠ •	1-1	•		34-47				•	•	9 4	. 10	•					0				2.7
	T FREG	S 22-33	•	o c		0	•				• c				0		<b>ે</b> (		3,0	•	3	22-33	0.	•	י, ני	0	•	0 4	1:1	•	o.	• c	•	•	•	0,0	•	6	8.4
59	PC	11-21	•	• 4		•	•													•		11-21		•		•	•				0								
5961-E961		4-10	•	2.1	•	•	•	0 0	•	0.	o c	•	•	0.	0	0,0	<b>,</b> (	• -	3.7	•		4-10	0,0	<b>.</b> "	ູ້ທ		o,	90	, .	•	o c	•	•	۰.	•	ဝ င	<u> </u>		2.1
MARY) R-ALL)		1-3	•	•															0			1-3							•										•
OD# (PRI)		HGT	~	1-2		~	8-0	5 ~	3-1	17-19	7-0	6-3	3-4	1-4	9-6	1-1	1 0		PCT	)		HGH	Ţ.		1 10	~	8-0	1 0	3-1	֡֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	20-22	41.0	3-4	1-4	9.	1-1	87+	6	U

ATTU 172-180E																							
AREA 0010 51-55N																							
		TOTAL	01:	100	37	21	17	30	10	25	7	0	0	0	9	0	0	0	0	0	193	100.0	
	(FT)	+8+	0,0	•	•	•	•	•	•	•	•	•	•	0	•	•	•	•	•	٥.	0	•	
( LN	HEIGHT (	24-47	•	0	1.0	1.6	1.0	1.6	1.6	1.0	1.0	•	•	•	0.	•	•	•	•	•	17	8.8	
18 (CONT)	VS SEA	22-33	o c	1.6	5.6	4.7	2.6	6.2	1.6	7.3	•	°.	•	c	•	•	•	•	0	•	51	56.4	
TABLE	(KTS)	11-21	0.4	12.4	13.0	4.1	5.5	7.8	2.1	4.1	•	•	•	o.	•	•	•	•	•	0.	3	49.5	
	SPEED	4-10	5.6	1.6	5.6	5.	•	•	•	5	•	•	•	•	•	•	•	•	•	•	25	13.0	1
	NIN	6-0	5.6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10	5.6	
		нст	₽.	916	2-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	PCT	
1963-1969																							
PERIOD: (PRIMARY) (OVER-ALL) 1963-1969																							
PERIODI																							

DECEMBER

	AL	90	72	99	13	7	m	157	73	•
	TOTAL		•	_				ï	'n	100.0
	87+	•	•	•	0	•	0,	•	0	•
	11-86	•	•	•	0	•	•	•	0	•
	. 02-10	•	•	•	•	•	?	•	0	•
	49-60 01-70 71-86	0	•	•	•	•	•	•	0	0
_		•	•	•	•	•	•	•	0	•
(SECONDS)	12 13-16 17-19 20-22 23-25 26-32 33-40 41-48	0	•	•	•	•	•	0	0	•
PERIOD (S	6-32 3	0	•	•	•	•	•	•	0	0
WAVE PER	3-25 2	•	•	•	•	•	•	•	0	•
٧S	0-22 2	•	•	•	•	•	•	•	0	•
(FT)	7-19 2	•	5	•	Φ.	•	٠.	•	•	1.6
HE I GHT	3-16 1	•	2.1	4.0	m.	ů.	ż	•	27	7.2
F WAVE	12 1	6	Φ.	1.6	۳.	•	ပ္	•	:	5.9
ENCY OF	0-11		4.8	4.8	∞.	•	•	•	40	10.7
FREQU	8-9 10-11	1.1		1:1	•	•	•	0	21	9.0
PERCENT FREQUENCY	7	۰.	5.9	2.1		<b>.</b>	•	0	52	6.7
о.	9-9	4.6	3.5	1.3	'n	•	•	0	36	4.1
	3-4	6.2	1.3	1.9	•	•	•	0	35	4.6
	1-2	5.9	•	•	m.	•	•	0	15	•

SEC) (SEC) (66 6-7 10-11 12-13 10-11 12-13 10-11 PCT

TABLE 19

		TOTAL OBS	1024	575	627	1063	705	843	692	1336	905	1367	1124	1704	860	886	707	0	572	15800	100.0
ATTU 172-180E		TENA NO SIG	4	2.6	2.3	3.7	2.3	5.4	2.0	••	3.1	4.0	5.0	7.7	4.1	4.0	<u></u>	•	2.5	9096	80.8
AREA 0010 ATTL 51-55N 172-	N _O	WEATHER PHENDMENDA OKE DUST NO AZE BLWG DUST SI BLWG SNOW WE	0	* *	•	•	•	*	#	*	*	•	o.	*	*	#	#	•	•	13	.1
AREA 51-	DIRECTION	OTHER WEATHE FOG SMOKE WO HAZE BL PCPN BL	*	* *			*	-	#	7	-	.2	*	-	*	*	*	•	•	146	6.
	MIND D	FOCH PCPN	<b>6</b>	4 4		1.0	6	1:1	1:1	2.0	1.2	2.2	1.2	1.5	٠.	9.	'n	•	8	2648	16.8
	8 ✓	THDR	0.	o *	*	•	•	•	•	*	•	0.	•	•	•	•	C	•	•	•	*
~	WEATHER DCCURRENCE	TOTAL PCPN OBS	217	123	165	310	210	284	194	360	221	273	148	544	122	156	102	0	52	3384	
TABLE	OF WEATHER	PCT FREQ PCPN AT OB TIME	1.4	9.6	1.0	2.0	1.3	1.8	1.2	2.3	1.4	1.7	6.	1.5	8	1.0	9.	•	e•		21.4
		HAIL	*	• *	*	*	•	*	0	*	•	#	*	*	*	*	•	•	•	18	7
	FREQUENCY	TYPE OTHER FRZN PCPN	* (	00	•	*	•	•	•	•	°	•	•	•	•	*	•	o.	•	Ŋ	*
	ENTAGE	TATION SNOW D	9	n 0	.2	4.	r.	•5	٠.	•5	-:	• 5	• 5	4.	٠,	٥.	ď	•	#	191	4.8
	PERC	PRECIPI FRZG PCPN	0.0	0	•	*	•	o.	•	•	0	ပ္	o.	*	•	•	•	•	•	7	*
		DRZL	4.0	2 7	4	.7	5		4.	0.1	. 7	~	4	•	m.	.2		•		1177	7.4
1943-1970 1901-1970		RAIN	* 1	* ~	*	٠,	*	*	#	-	*		-	-	-:	7	*	o	*	141	٥.
		RAIN	4.0	J 4		Φ.	9.	1.0	7	1.1	.7	<b>a</b>	ů.	4.	.2	• 5	• 5	့	-:	1361	9.8
(PRIMARY) (OVER-ALL)		WND DIR	z	U W	ENE	w	ESE	N .	SSE	S	SSE	35	M S M	3	323	2	32	VAP	CALM	TOT UBS	TOT PCT
PERIOD:																					

PERCENTAGE FREQUENCY OF WEATHER OCCURRENCE BY HOUR

TABLE 2

TOTAL	088	4310	4025	3644	4026	16005	100.0
AENA CN	SIG	61.5	59.5	62.6	57.2	9751	6.09
PHENDI	WO HAZE BLWG DUST SIG PCPN BLWG SNOW WEA	7		#	•1	13	٠.
ATHER	B B E E			٠		_	_
4ER WE SMOK	7		1.4				
F06	PCP						16.7
THDR	LING	*	•	•	*	e	*
TOTAL	PCPN OBS	844	893	166	911	3414	
OCT FREQ	PCPN AT OB TIME	19.6	22.2	21.0	22.6		21.3
HAIL		.2					۲.
TATION TYPE SNOW OTHER	PCPN	*	*	•	*	¥,	*
TATION		5.7	5.4	3.5	6.4	778	6.4
PRECIPI FRZG	Z G G	•	•	*	*	2	*
DRZL		5.7	7.5		8	1186	4.5
RAIN	SHER	9.	1.1	6.	1.0	144	6.
RAIN		7.8	6.6	0.6	8	1366	8.5
HOUR	(GMT)	€0300	60390	12615	18621	TOT	PCT

								ANKIOA	<u>.</u>										
PERIOD	I CPRI	MARY)	1943-1	0261				.'ABLE	<b>м</b>					AREA 00	010 A	TTU 72-180E	u)		
				ÿ	RCENTAGE	FREOU	ENCY D	E IND	DIRECTI	ION BY S	PEED	AND BY	HOUR						
WND DIR	0-3	4-10 M	IND SPE 11-21	ED (KNOT)	753	\$ +	TÖTAL OBS	PCT FREQ	MEAN SPO		•	•	0	HOUR 60	JR (GHT		5 18	21	=
i	•				,	Į,													
z 2	ů.		2.7	1.1	'n	* 1	1447	<b>.</b> 6	14.4		7.	9	0 7.	2 7.	1 6.3	5.	0.9	7	
		•	•	•	7.0	<b>+</b> +		•			•	4	2 4.		3	2.	•	m	_
U L		•	•				~	•			•	7	•	•	'n	•	Š	<b>:</b>	
L S			•	•		*	٤	•	ė			4	1 3.	e.	e	4	m.	9	_
<b></b>		•	•	1.3	e.	*	40		3		•	3 7	5 5.		•	7.	•	7.	_
ESE			•	.7		*	82	•	2		•	7 5	4 4	4	4	4	m	9	_
SE	'n	•	•	o.	•5	*	2		4			4	.4 6	•	5	3	•	•	_
SSE		•	•			*	8		5		•	4	2	6	4	7	9	,	
S			•	1.1		*	67	•	,		•	· «	٠,	7			•		
SSW				•		*	15		,				) k				Ę		
N.S.						*	6		6		•	1 6		-	· «	· c			
MSM	.2		•	1.1	7	*	0		5		•	2	4		œ				
æ		•	•	•		*	24	•	7		•	0	2 1 2	6	2		-	. 0	
323		•				-	-		. 4		• 4	• •		•	1	. 4	•		
3		•	•	•		- 3	1 7	•			•	) v		• •	ก็แ	'n.	•	•	
2 2 2		•	•				- 6	•	'n,		•	n ·	•	٠.	ů.	ė.	'n		
	7 1	•	•		(	2	^	•			•	•	•	•	ċ	*	'n	*	
		•	•	•	•	•	- 1		•				•	•	•	•	•	•	_
7 P L 3	. 6	6	,	ċ	•		77	3.7	•		+	0	6	5 2.	*	۲.	ë	4	111
- :	7	\$ O 0 0	1179	3214	739	99			14.2		503	2	4 309	248	318	91	306	246	_
, .	•	2.	6		•	(,)		100.0			100	01 0	0 100	100	100	100	100	100	
								TABLE	3A										
		HIND	SPEED	(KNDTS)									_	GMT.)					
AND ON A	9-0	16	7-2	28-40	41+ T	OTAL OBS	FRED	SPD		00	60	90	60	12	<b>S</b>	18	17		
Z	2.1		•	1.0		24	•	5				•		•	*	2	ď		
Z.	•	•	•	•	2	95	6	5		•			6.0	8	-	8	6		
m (	2.1		2.8	1.2	.2	2322	11.0	15.2		11.0	12.9	4.4	12,1	10.8	12.7	6.0	11.2		
S	•	•	•		_	96	ċ	ŝ		6	6		0.1	9.6	9.6	8.7			
S	•	•	•	•	2	82		4		•	3.4	e.	2.9	2.9	4	4.2	2.		
IS:	•	•	•		7	34	5	+		'n	6.8	'n	4.9	6.9	8.2	5.0	5		
3	•	•		•	7	36	'n			•	7.1	7	3.7	6.3	4.4	7.9	-		
Z	•		•			33	-			0	'n	•	1.3	6	4.	-	2		
>		•	•					2			0	•	0	0	0		; ;		
CALM	ë					-	3.7				•	•	•	•	•	•	•		
		9038	2498	1627	243 2	1138		14.2		93		660€	480	18	~	990	\$		
OT PC	2.	2	è	•	•		100.0			•	00.00	ò	.0 1	.01		0	•		

											•	-																		_
									>4/8)		- / W.	ANY HGT	1.2		۲.	4		Ç 1	•	•0	•	•	1.5	5.6	1.3	1.2	:	2	2187	16.5
ATTU 172-180E									T.NH V	ION			*	*	*	*	* •		•		*	*	-:		*	*			113	
									HTS (F	DIRECTION		1999	.1	*	*	*	<b>#</b> 4		*	*		-:	-:		* •	•	* (	•	104	<b>.</b>
AREA 0010 51-55N									CEILING HEIGHTS (FT,NH	WIND		6499	•1		۲.	*	- •	+ +	*	.1	•1	~	7	.1	# (	7.	•	•	172	1.3
ARE 51		A L S	38	79	28	37			CEILIN	<5/8 BY	000	4999	€.	• 5	u.	m.	* (	7.	9	5	e.	ē.	9.	80	٠. ·		•	• -	882	9.9
	2	Q DBS		5579				TABLE 6	O.	¥	0000	3499	1.5	1.1	1.0		1:4	•	•	1.4	œ.		1:1	2.1	1.2	•	•	9	45	18.5
	IR (GHT)	PCT			-	200	3	TA	FREQUENCY	INCE OF	0001	1999	1.5	1.1	1.3	1:1		5 .	1.2	2.2	1.5		2.0	5.9	9:		•		3688	~
	BY HOUR	MEAN		15.0						AND OCCURRENCE	400	666	•	£.	*	ů,	•	•	· m	9.	•		9.	1.0	٠.	•		٠,٠	1096	8.3
•	SPEED	CALM	3.7	W W	4.3	776	•		PERCENTAGE	D QNA	000	266	6	• 5	2.	2.	7.	,	. 2	4.	•5	٠,	•5	2.	~	•		*		•
TABLE	NIN	(KNDTS)				9 6			•		2	299		*	*	•	: ·	:-	:-:		7	<b>-</b> ;	. 4	2.	7.1	• 1		•	175	1.3
	NCY OF	SPEED 34-47	3.5	3.6	3.5	739					000	149	•	4.	9	٠,	•	•	0	5.0	1.0	1.4	6.	1.1	4	•			1923	•
	FREQUENCY	WIND 22-33	14.7	15.5	15.4	3214																								
	ERCENTAGE	11-21	0 1	- 3	~	39.2	•		(EIGHTHS)	747	- DUD	OVER	•	•	•	•		•	•		•	•	•	•		•	•	7.1		
	PER	4-10	2.	90	5	6804				z	Ā		900	521	639	744	280	665	567	780	134	7.70	215	100	782	244	20	502	275	0.0
0.0		1-3	•		6.	1259		<b>5</b>	D AMDUNT	DIRECTIO	-		σ.	۰ ۵	n 0	<b>.</b> K	, r	. 2	5	9 0			o r		n 0	J 00	. 0		28 13	20
3-1970 1-1970		HDUR	60300	261	862	T0T		TABLE	. כרםחם	WIND DIE	7	OBSC	8	2 0	1	00	, R	3	5 3	2 .	7 .	۰ ۱	•	0 0	0 6	. 4	. 0	6 2	16 6	8 0
1943			0.0	o ~	~				TOTAL	BY ₩1		•	<b>.</b>			•	•	•		٠.									278	
PRIMARY) OVER-ALL)									9 DF		3-4			7.	7.	•	•			2.					. 4		0	•	724	•
_									CT FRE		0-2		<b>.</b>	-	7.	•	1 -	7	.2	.2	,	Ů.	* •				0	.2	640	•
PERIOD:									PC		WND DIR	1	z	N S	2 Z	נואב	FSE	SE	SSE	S	¥00	E 0	E 7 E	¥ 2	2 2	322	VAR	CALM	TOT 085	5

AREA 0010 ATTU 51-55N 172-180E

TABLE 7 (PRIMARY) 1943-1970 (DVER-ALL) 1901-1970 PERIODI

CUMULATIVE PCT FREQ OF SIMULTANEOUS DCCURRENCE OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

	• 80	°	1.7	3.0	7.6	28.3	56.2	4.49	0.89	69.3	83.3	11086
	# 80	>50YD	1.7	3.0	7.6	28.3	56.1	64.3	68.0	69.3	82.7	11015
	• 0R	>1/4	1.7	3.0	9.6	28.2	55.8	63.8	67.4	68.6	77.77	10342
2	-	>1/5	1.6	3.0	9.6	28.0	55.3	63.3	66.5	67.5	72.8	7696
VSBY (NA	# 80	<u>,</u>	1.6	5.9	9.6	27.6	54.5	62.1	65.0	65.8	4.69	9277
	<b>*</b>	>5	1.6	5.9	4.6	26.7	51.8	58.5	8.09	61.3	63.8	8495
	* 80	<b>&gt;</b> 2	1.5	2.1	8.4	23.8	0.44	48.8	50.5	50.5	51.8	6889
	. OR	<b>&gt;</b> 10	80	1.4	0.4	11.6	19.9	21.7	22.0	22.1	22.5	5662
	EILING	FEET)				>2000						TOTAL
	៊	Ē	9	• 8	R	• R	R		. OR	. OR	• 8	

PCT FREQ NH <5/8: TOTAL NUMBER OF OBS: 13309

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

3.9 4.8 8.6 8.6 49.6 12.3 14661 TOTAL 8 OBSCD OBS 3.7 4.5 ~ 1.9 2.1 0

		PCT	2.3 9.3 11.7	2.3 5.3 1.	3 W B	6-1 8-7 14-7	5.0 26.8 31.7	1.1 27.2 28.4	100.0
		TOTAL	368 1467 1835	440 363 803	690 620 1310	955 1360 2315	778 4205 4983	177 4278 4455	15701
		CALH	* 5° 6	**#	32	.1.2.2	1.3	1.0	3.6
90	_	VAR	000	000	000	000	000	000	•••
ATTU 172-180F	PRECIPITATION	N N	62	18	.1 36	7.52	1.3	.1 1.7 284	704
AREA 0010 51-55N	RECIP	Z		 15	.2	.5	1.6 310	2.0 337	880 5.6
AREA	A.	Z	4.53	.1.22	5.52	108	1.7	2.0	853
	OR NON OCCURRENCE : VISIBILITY	3	.2.8	2.50	9.4.5	1.0	3.2	3.5	1689
	JR NDN DCCU VISIBILITY	M S M		52	1.60	1.5	2.3	2.0 326	1115
	SE OR 1	NS	1.0	4 4 6	1.0	232	2.1 372	1.9	1360
80 W	DCCURRENCE NG VALUES OF	NSS	7.131	43	4 W 80	.5 171	1.3	1.3	5.3
TABLE	VS DC	S	1.3	w w 4	 4.1	226	2.0	1.4 235	1323
	RECTION VS OC WITH VARYING	SSE		52.5	85.5	.4 .4 121	.2 .9 168	** 131	689
	10	SE	 148	.1.47	42.6	145	1.1	1.1	837 5.3
	OF WIND	ESE	 .4 101	6.1.3		103	1.1	1.0	669
	FREQ	w	.2.0	62.2	.2 104	.5	1.8	.1 1.4 237	1056
	PERCENT FREQ	ENE	- m 4	4.1.5	56	.9	1.1	159	627
1943-1970		Ä	73	47	69.52	.4	1.2	1.5	808 5.1
		NNE	41.51	.1	• • • • • • • • • • • • • • • • • • • •	6.9	1.0	1.2	3.7
(PRIMARY) (OVER-ALL)		z	146	32	7.53	135	.4 1.8 342	2.2 366	1017
			PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP NO PCP TOTAL	PCP ND PCP TOTAL	TOTAL PCT
PERIDDO		VSBY	C1/2	1/2/1	7.42	572	5<10	10 <b>•</b>	

			PCT	3.6	9.4 6.1	1114		5.4.5	10.0 112.0 112.0 31.9	111.3	100.0
			TOTAL	237 677 816 234	1964	356 269 930	159 476 618 461 1714	254 893 1193 854 3194	399 2088 2678 1322 6687	711 2374 2531 843 6459	20948
			CALM	4	93	14	2 4	4. 16	1.3	1.2	3.7
	10E		VAR	0000		000	00000	00000	00000	*000-	<b>→ +</b>
	ATTU 172-1806		X Z Z	# 77-	ቲ ርን	.1 25	*	.33	    		942
	0010 5N		Z	**	* * *	50 **	8	***************************************	1.1	1.1 1.1 1.3 569	1363 6.5
	AREA 0010 51-55N	٥	Z	**	50 0.#	·1 28	*::::2	* 26.27	1. 8. 6. 77.	1.0.04	1108
		ID SPEE	*	-44-	168	83.1.5	13.5	.4.9.E.4	1.1 1.6 1.6 7.7	1.3	2220
		VS WIN	M S M	* ~ ~ *	119	<b>5.1.</b>	*1217	* 6.6.2.8	1.0		1393
		ECTION VS WIND S OF VISIBILITY	NS		202		2002	 5 5	1.1	1.1	1928
JAL	9	DIR	NSS	*~~	134	4.11	.3	.3	# 97 · · · · · · · · · · · · · · · · · ·	280	1141
ANNUAL	TABLE	FREG OF WIND ITH VARYING V	S	-m.9%	247	.2 .2 112	.1 .3 .3 182	14.6.6.1	1.00	345	1659
		T FREG	SSE	#74.	147	.1	* 17711		20.5	*******	3.9
		PERCENT	SE	1241	146	33.1.1		* 6. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	. 4 0 4 8	315	1142
		_	ESE	* ?	105	.1.69		134	2.5.5	* 4.	847
			ш	-64-	132 *	1.12	132	* 6. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	10.80.07	1	1452
			ENE	*	2 0,*	4:15	* 5	*. 25. 12. 721	* 4 4 4 4 4	44.	3.6
	1-1970		N W	*?::	. # 4	.1.	*******	* ~ ~ ~ ~ ~ ~	 7. 7. 357	399	1188
	1943		NN PN	*:::	· **	* * 62	32.11.	*5. 115	*40.40	23.5	788 3.8
	(PRIMARY) (OVER-ALL)		z	-7	8 **	3.1	102	200	17.00.4		1435
			SPD	0-3 4-10 11-21 22+	TDTAL 0-3 4-10	11-21 22+ TOTAL	0-3 4-10 111-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	0-3 4-10 11-21 22+ TOTAL	TOTAL PCT
	PERIODI		VSBY		1/2<1		142	572	5<10	100	

										AND/OR	TOTAL OBS	3583	3289	3203	3234	13309
ATTU 172-180E		TOTAL OBS	3663	3350	3282	3284	13579			VSBY (NM)	NH <5/8	16.1	16.0	16.8	12.8	2055
		NH <5/8 TI	18.2	17.4	19.2	15.0	2371 1 17.5	2	7 4	OF RANGES OF VSBY (FEET,NH >4/8),BY	1000+ AND5+	46.3	45.2	38.4	45.6	5852
AREA 0010 51-55N	>4/8), AND		<b>.</b>	•	œ.	0	8 S.	TARLE			<1000 <5	37.6	38.8	44.8	41.6	5405
	>4/8	TOTAL	81.8	82.6	80.8	85.0	11208 82.5			FREQ HGT	<b>6</b> 000	19.2	20.1	24.8	22.2	2863
	ENCY OF CEILING MEIGHTS (FEET,NH OCCURRENCE OF NH <5/8 BY HOUR	8000+	1.1		6.	.7	1117			VE PCT	<150 <50YD	12.4	12.7	16.7	15.0	1882
	GHTS (FEET. /8 BY HOUR	6500	6.	.7	9.	æ	105			CUMULATIVE PCT CEILIN	HOUR (GMT)	0000	60390	12615	18621	T07
10	G HE I	5000	1.2	1.3	1.1	1.6	176			ū						
TABLE	CEILIN	3500	9.9	7.2	5.9	9.9	46.0					_	•	•		•
	CY OF	2000	19.1	18.5	17.5	18.1	2486 18.3				TOTAL 085	3583	3289	3203	3234	13309
	FREQUENCY OF OCCURRE	1000	27.3	27.6	25.1	9.62	3720			BY HOUR	10+	36.	35.5	28.8	31.0	4398
	(EN)	666	8.3	4.	B.O.	7.7	1101			(NM)	5<10	33.4	33.8	35.0	34.8	4556
	PER(	300	3.6	3.8	3.5	3.4	485	TABLE 11		FREQUENCY VSBY	2<5	11.6	11.5	15.2	13.0	1702 12.8
		150	6.	1.3	1.4	1.6	176 1.3	<u>-</u> -		PUENC	1<2	5.6	.88	4.9	6.5	808
970		000	12.8	12.9	16.9	15.0	1948									
1943-1970 1901-1970		HOUR (GMT)	00603	06509	12615	18621	TOT			PERCENT	1/2<1	3.2	3.1	3.7	3.0	432 3.2
		35	8	8	12	18					<1/2	9.7	10.2	10.8	11.8	1413
(PRIMARY) (OVER-ALL)											HOUR (GMT)	60300	60390	12615	18621	T01
PER100:																

CALM

<b>о</b> я	ERIODI (PR	(PRIMARY)	1943-19	-1970										AREA 51-5	0010 55N	ATTU 172-180	30E			
				7.:	748LE 13										TABLÉ	14				
	PERC	RCENT FRE	FREQUENCY	06	RELATIVE	HUMIDITY	ITY BY	TEMP	į			PER(	PERCENT FR	FREQUENCY	90	WIND DIR	DIRECTION	BY T	E H P	
TEMP	F 0-29	6 30-39	65-05	\$6-05	0Ý-Û\$	10-79	80-89	90-100	065	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Z	N H	w	SE	S	S	3	3 2	VAR	S
5/6	•	•	•	0	*	*	•	¢.	m	*	•	0	0	0	0	•	0	*	•	
9/0	•	•	*	*			7	*	19	9.	7		*	*	-	-	7		0	
5/5		•	•	٦.		6.	1.3	80	3	•	6	. 2	•2	.2	•	φ.	9		0	
0/5	•		*	.1		1.0	5.1	6.7	37	'n	•		•	1.3	2.4	3.3	1.9	•		
45/4	•	••	*	• 5	9.	3.5	6.8	19.5	3132	30.4	5.4		2.7	3.5	5.5	5.7	4.5	3.0	•	
4/0	•	•	*	~	1.2	3.2	6.2	4	29	\$	2.7		3.8	2.7	3.5	3.4	3.9	•	•	
5/3	•	•	•	e.	6.	2.8	5.0	9.0	85	8	2.2	•	3.0	1.7	1.6	2.2	2.5		•	
0/3	•	•	·	*	4.	1.1	2.3	3.6	•	•	1.3	1.3	.7	4.	7		1.1		*	
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			-	TABLE 1	15										TABLE	91				
	MEANS	MEANSJEXTREMES	AND	PERCENTILES		OF TEMP	(DEG	F) BY	HOUR		-	PERCENT	FREQUENCY	JENCY OF	œ	ELATIVE HL	HUMIDITY	₽	HOUR	
HOUR	Y,AX	*66	95%	202	5X	1%	Σ Z Σ	EAN	OTAL		HOUR	62-0	30-59	69-09	70-79	80-8	01-06 68	Σ 0	EAN	5.0
60700	•	59	54	43	32		_	3.5	5786		60300	•	•	5.1	13.		~	6.3	80	30
60390	•	9	54	43	32		2	3.1	5474		60390	•	1.3	4.4	13.		•	9.3	80	28
12615	99	53	50	41	32	28	23 4	1.3	3994		12615	°.	1.3	2.4	10.3	3 25.	7	4.09	90	7
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		IG (WITHDUT	TOT	80	•	47	145	233	389	267	477	750	720	1538	1143	2696	968	1066	456	521	358	232	364	199	109	30	2648	100.0
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		(DEG R-SEA	4 4 0 8	•	•	•	*	4.	1.0	.7	1.5	2.7	2.8	5.5	3.6	6.1	2.0	1.4	4	7	<b>:</b>	#	•	o.	0	•	59	20
		ATURE VS AI	4 4 1 4	0	•	•	•	*	٠,	ů.	•	1.5	1.7	3.8	5.6	7.6	1.7	. 8	4.			-:	#	*	#	•	905 3	0.6
		TEMPER	37	•	•	•	•	•	*	*	*	e.	ů.	1.3	1.7	5.3	5.5	3.1	1.1	٠.	٠.	.2	• 5	•	*	•	2	7.5
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	02	34			00				? •			0			•		•			0	3			11-21	•		•	<b>.</b> .		: -:		7.	*								. 0	4.3
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	E E		TOTAL	. 4	. 00	201	4	•	3.5	32	96	13	•	m	<b></b> (	90	<b>&gt;</b> c	<b>o</b> c	0	0	803	•		TOTAL			3		9 6				<b>~</b>	<b>(</b>	<b>⊸</b> (	<b>&gt;</b> C	<b>O</b>	9 0	0	0	•	11.2
2	172-180		484	•			•	•	•	• ·	•		•								7	*		48+	•	0	•	•	•	•	•	•	0	•	•	•		9	0	o c		•
A 0010	3	FT)	7-9E	•	•		*	*			. 2			*	* •	• •	9 9	0	•	•	41	ത	<u> </u>	34-47	•	•	•	o c	· -	*	*	•	# -	∹ ¹						o c		o .
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٠.	.е 18	DIRECTION	1-3	•		*	*	•	•		•				o.				•		15	e.		1-3	.2	٠.	*	o i	* 0	0	•	•	•	•		•	0	•	0.	•	2 4	
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		SPEED	4 80 +	•		•	•	*	o 1				*						•		2	7		+8+	•	•			9				0		•	·				•		
		OF WIND	34-47	•	0.	•	• 2	-:	<b>→</b> (	7.	7		*	*	* (	•		9	0	-	S	1.0		34-47	•	•	•	o 1	<b>+</b> C		7	₹.	<b>*</b> (	္ (	· -		•	•	0.	0,0	. c	
		T FREG (	S 22-33	•	0	4.	4.	ŗ.	٦,	2.0	.2	• 5		0.0		•	0	0	0	•	121	•	3	22-33											• #					•	. 0	3.7
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₹	R-ALL)			•	∹:						0													1-3	.2	.2	္ (	•	•	•	•	o o	•	•	•	0	•	•	0.	• •	22	•
IOD! (PRI			HGT	-	1-2	•	ŧ	~	9-6	52		7-1	0	3-2	2 1 2	1 4	9-6	1-7	1-8	+	5	ب		HGT	-		7 .	0 ~		ò	15	3-1	֓֞֞֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֓֓֓֡֓֓֡	316	9	3-4	1-4	9-6	1-7	<b>*</b>	OTA	PCT

(FT)

(KTS) VS SEA HEIGHT

22-33

11-21

AREA 0010 ATTU 51-55N 172-180E

444 444 444 444 444

TABLE 19

	MEAN	HGT	m	•	60	11	11	15	0	4	
	TOTAL		2698	1925	1450	201	57	36	1767	8134	100.0
	87+		•	•	•	•	•	•	•	0	0
	71-86		•	•	0	0	•	0	•	0	•
	01-10		•	•	0	•	•	•	•	0	•
	13-15 17-19 20-22 23-25 26-32 33-40 41-48 49-60 61-70 71-86		•	•	•	•	•	•	•	0	•
S)	41-48		•	•	•	•	•	•	•	0	•
VE HEIGHT (FT) VS WAVE PERIOD (SECONDS	33-40		•	•	•	•	•	•	Ç	0	•
RIOD	26-32		•	*	•1	*	*	*	•	14	•5
AVE PE	23-25		•	*	7.	٠,	*	*	•	19	• 5
X	20-22		•	•2	4.	• 5	*	₹.	*	77	6
11 (F1	17-19		*	ů.		<b>.</b>	*	۲.	•	111	1.4
HE 16	13-15		•	6	1.9	Ģ	7.	۲.	*	283	3.5
JF WAV	12							*			
DENCY	10-11							-			
FREG	8-8		9.	2.5	1.5	4.	*	*	#	396	4.9
PERCENT FREQUENCY OF WA	7 8-9 10-11							*			
	9-9		2.0	5.8	2.3	.2	#	•	*	1087	13.4
	3-4		11.3	2.1	3.0	•	#	•	*	1635	20.1
	1-2		12.6	1.6	•	*	•	0	#	1211	14.9
	7	10	1:1	*	*	•	•	•	9.12	1850	22.7
	PERIOD	(SEC)	9	2-9	8-0	10-11	12-13	>13	INDET	TOTAL	PCT

TABLE 21

AREA 0010 ATTU 51-55N 172-180E

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	DA	22	53	60	8	1,4	10	40	07	54	11	03	18							
	YEAR	1964	1944	1949	1943	1958	1956	1966	1944	1964	1965	1952	1965							
le S	Z	958	960	196	996	971	472	983	978	416	196	964	962							
EXTREME	¥	12	00	12	90	18	၁	90	00	00	90	21	12	1						
Ē	DA	19	0	13	23	11	22	28	10	20	11	01	25	1						
	YEAR	1962	1950	1965	1965	1965	1965	1965	1965	576	964	1945	1964							
	MAX	1034	1032	1036	1042	1052	1055	1052	1046	1036	1044	1044	1047						3	*
, H	101AL 085	844	872	1099	1388	2318	4708	2451	2150	1865	1094	876	754	20219					9	*0
	MEAN	966	<b>166</b>	1006	1010	1013	101	1013	1012	1010	1010	1004	1003	1013				ILES	306	40
	2100	166	995	1005	1008	1010	101	1013	1012	101	101	1005	166	1008	2263			PERCENTILES	4	*00
_	1800	1000	666	1008	1012	1015	1012	1014	101	1010	1009	1004	1005	1010	3012			۵	2 2 2	202
R (GMT	1500	1001	666	1004	1008	1009	1010	1013	1010	1007	1007	995	1013	1010	908				3	*
BY HOUR	1200	1001	866	1007	1012	1015	1012	1013	1012	101	101	1005	1007	1010	3114				3	*
AVERAGE	0060	066	995	1005	1001	1010	101	1013	1012	101	1010	1004	866	1008	2215				2	2
<b>A</b>	0090	666	666	1006	1011	1015	1012	1014	1012	1009	1011	1004	1007	1010	3033					
	0300	166	166	1011	1011	1010	1012	1013	1010	1006	1009	916	1013	101	889					
	0000	995	166	1001	101	1014	1012	1013	1013	101	101	1004	1002	1009	4785					
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6	*	02	1022	60	60	40	60	60	60	60	60	60	40
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4	¥0.	00	1005	6	02	05	0	02	6	5	6	6	0
	<b>X</b> 000	966	0	8	6	_	5	5	5	5	5	8	8
t	*07	988	œ	0	8	0	8	8	8	8	8	Ò	0
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3	*	•	196	•	~	8	8	8	Ø	8	~	Ō	Ō

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